THE CHEMIST AND DRUGGIST

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With Chemist's own name.

ALLEN & HANBURYS Ltd. can supply Chemists with High-class Milled TOILET SOAPS of their own manufacture, at prices to compete with the cutting rates of Stores, &c., for the highly-advertised articles. At the same time a fair profit is obtained, and, by supplying a first-class article, every satisfaction is given to the purchaser.

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Exchange Column, *Coloured Supplement.* Index to Advertisements, pp. 35-37 (bottom folios).

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NEAREST STATION,
OLD BATTERSEA STATION,
West London Extension Railway

The Chemist & Druggist SUPPLEMENT

SATURDAY, MAY 29, 1897.

Businesses Wanted
Businesses for Disposal
Premises to Let
Auction Sales

ALSO EXCHANGE COLUMN.
For Bargains see last page of this Supplement.

Partnerships
Situations Vacant
Situations Wanted
Miscellaneous

THE CIRCULATION OF THE SUPPLEMENT THIS WEEK EXCEEDS 14,000.

A Copy of this Supplement is inserted in every number issued of "The Chemist and Druggist."

THE CIRCULATION OF . . .

THE CHEMIST & DRUGGIST SUPPLEMENT

NEXT WEEK, JUNE 5, 1897,

WILL EXCEED 14,000,

That is to say, it will comprise the entire Drug Trade of the United Kingdom, and will, besides, extend to the whole of the Foreign Circulation of THE CHEMIST AND DRUGGIST.

Take advantage of it by advertising your wants.
If you want a Business, or wish to sell one;
If you have a Situation vacant, or wish a Situation,
You cannot do better than advertise in this Supplement.

Advertisements received by the Publisher, 42 Cannon Street, London, E.C., NOT LATER than THURSDAY, June 3, at 5 p.m.; but send earlier if you can.

CHEMISTS' TRANSFERS.

MESSRS. ORRIDGE & CO., 32 LUDGATE HILL, E.C

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

VENDORS have the advantage of Messrs. O. & Co.'s direct attention and advice as to value without additional fee.
PURCHASERS are invited to forward a statement of their requirements, which will be notified in a register free of charge.
VALUATIONS having always been a prominent feature, Messrs. O. & Co. trust that the lengthened period during which they have enjoyed the confidence of the profession will be regarded as a sufficient proof of the sincerity of their endeavours to conduct these transactions in an honourable and straightforward manner.

—£3,000.—**KENSINGTON.**—First-class Dispensing Business, situate in main road; very handsome shop and good house; *the net profit is between £600 and £650 yearly*; full particulars will be furnished to gentlemen prepared to invest about £3,000; London reference will oblige.

—£1,000.—**LONDON (S.W. District).**—Very handsome shop, situate in a residential locality of the best class; commodious house, easily let if wished; the shop is well stocked; returns amount to about £1,000 yearly, *with good profits*; between £1,300 and £1,400 will be required.

—£1,000.—**NORWOOD.**—Well-fitted, handsome, modern Pharmacy; returns £1,000 yearly, *with profits fully up to average*; comfortable residence, with garden; may be purchased either by valuation or lump sum; particulars on application.

—£349.—**KENT.**—Short distance from London; small Business suitable for either Branch or a beginner; at present managed by an assistant; returns average £349 yearly; *profits very good*; price £250.

—£1,000.—**LONDON, N.W.**—For Disposal, very handsome shop; good-class Business; returns about £1,000 yearly; very good house and garden; the business has been established many years and is for disposal on account of a dissolution of partnership; a very moderate price only required, or valuation if wished.

—£300.—**LONDON (Central Situation).**—Close proximity to a large institution; well suited for Obenist and Dentist, or open Surgery; present receipts £5 to £6 per week under an assistant; comfortable 8 roomed house, low rental, on lease; price about £150, by valuation.

7.—£500.—**FOREST GATE.**—Modern Pharmacy; returns over £500; commodious residence, on lease; about £500 required, or near offer.

8.—£500.—**SURREY (Central).**—Rural district, very pretty locality; established Business; returns over £600 yearly; well-fitted shop and good stock; Post-office attached; price about £500.

9.—£1,000.—**CATHEDRAL TOWN (South).**—Dispensing Business; returns over £1,000 yearly; *large profits*; very handsomely-fitted shop and good stock; the house, held on lease, is commodious; price £900.

10.—**NORTHERN COUNTY (Lancashire District).**—Retail, Prescribing, and Dispensing Business; returns nearly £600 yearly, *with very good profits*; the estimated value of stock and fixtures will be accepted; about £500; full investigation will be permitted.

11.—£1,200.—**KENT (Garrison Town).**—Old-established Business, Retail and Dispensing; returns between £1,100 and £1,200; *very good profit* (about £300 yearly net); the situation is exceptionally good; price £700.

12.—£700.—**ABOUT AN HOUR'S JOURNEY FROM LONDON.**—Good-class Business; large town; returns £700 yearly; double-fronted shop; capital situation; fittings very good; convenient house, on lease; price about £650; particulars on application.

13.—£800—**SOUTH COAST (Fashionable Town).**—Dispensing and Retail; residential neighbourhood; returns last year £800; good stock and handsome shop; convenient house, private entrance; price required £500

14.—£600.—**WEST OF ENGLAND (Great Western Line).**—Fashionable health-resort; ready-money Retail and Prescribing; returns £600, increasing; *very profitable*; good house, on lease; price £400.

Particulars of any of the above will be furnished on application.

N.B.—NO CHARGE TO PURCHASERS.

TERMS FOR VALUATION ON APPLICATION. APPOINTMENTS BY POST OR WIRE HAVE IMMEDIATE ATTENTION.

Mrs. ORRIDGE & Co. invite communications from COLONIAL and FOREIGN firms where business of a confidential nature requires the especial attention of a London Agent.

SPECIAL NOTICE.—**Messrs. ORRIDGE & CO. have a large number of Businesses for Sale suitable for Gentlemen with Small Capital, from £200 to £500.**

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References to Principal London and Provincial Wholesale Houses, also to numerous clients throughout the United Kingdom.

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NO CHARGE TO BUYERS.

£700 returns.—**CUMBERLAND.**—General Light Retail in good position of rapidly-growing town; capable of considerable increase in energetic hands.

£750 returns.—**NORTH MIDLANDS.**—Good-class Retail in growing market town; present hands 40 years; large and commodious house and premises: to a pushing young man this will prove a good investment; price £650.

£1,000 returns.—**S. WALES.**—Good-class Retail, with good sale of own Proprietaries; net profit £400; good house, long lease; price £850.

£950 returns.—**DEVONSHIRE.**—Light Retail, Dispensing, and Photo goods; in fine position of favourite seaside resort; price £750 or valuation.

£800 returns.—**STAFFS.**—Unopposed Retail of a very profitable character, showing a good net profit; low rent; price £550.

£1,500 returns.—**POTTERIES.**—General Retail with local Wholesale; in present hands many years; vendor having purchased a larger concern is cause of sale; probable amount required to purchase £800 to £1,000; thorough introduction given.

£800 returns.—**NOTTINGHAM.**—General Retail, with Oils and Colours; in good position for this class of trade; this business is now worked as a Branch, but when vendor personally attended to it returns over £1,400, and can again by right man; valuation about £500.

£700 returns.—**LANCASHIRE.**—Old-established Retail in large town; position good; fine double-fronted shop, well fitted; valuation about £300.

£700 returns.—**LANCASHIRE.**—Light Retail, in very best position of large town; well suited for up-to-date trade; price £600.

£900 returns.—**LONDON, N.**—Light Retail, Dispensing, &c., in good neighbourhood; shop large and handsomely fitted; net profit £300; price £800, about value of stock and fixtures.

£700 returns (over).—**YARMOUTH.**—Old-established Business in good position; if desired, rent could be more than cleared in season by letting; price about £600.

Vendors of good businesses can be at once supplied with buyers by F. J. BRETT.

VALUATIONS.

F. J. BRETT has been well known for many years throughout England and Wales as a reliable Valuer, and his extensive experience in all branches of the trade renders his services equally valuable to Vendors and Buyers.

BERDOE & CO.

CHEMISTS' TRANSFER AGENTS AND VALUERS,

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Established 1870.

1.—**WEST OF ENGLAND (Seaside).**—Light Retail and Dispensing, with Photographic Apparatus; returns £940; same hands 18 years; excellent position; well fitted, good stock; price £650, or offer.

2.—**HAMPSHIRE.**—Good-class Family and Dispensing Business; returns over £1,000; profits £500; handsome double-fronted shop, heavily stocked; convenient 10-roomed house; price £900.

3.—**BERKSHIRE.**—Good-class Retail and Dispensing Business; returns £700; net profit £250; excellent house, large garden; handsome shop, well stocked; price £650.

4.—**WORCESTERSHIRE.**—Market town; Retail, Dispensing, and Prescribing Business; returns £700; lease, low rent; net profit £300 clear; good house, garden; elegantly-fitted shop; price £550.

5.—**HOME COUNTY (20 miles South of London).**—Unopposed good-class Business; returns £600, rent £30; excellent house, garden; price £450; many miles from Stores.

6.—**LEICESTERSHIRE.**—Retail and Prescribing Business; same hands 20 years; returns £6 weekly; has been neglected; low rent; good house; price £120, or valuation; rare chance for beginner.

7.—**CRYSTAL PALACE DISTRICT.**—First-class Retail and Dispensing Business; returns £1,000; rapidly growing neighbourhood; good house; handsome shop and premises; price £900, or offer.

8.—**LONDON, N.W.**—First-class Retail and Dispensing Business; returns £600 capable of increase; rent £29; good house and garden; double-fronted shop, well fitted and stocked; price £500.

9.—**LONDON, EAST (Main Road).**—Branch Retail and Prescribing Business; returns £600 under management, can do double; splendid position; unopposed; price £50, valuation.

10.—**LONDON (West-end).**—First-class Dispensing Business; returns £600 under management; principal did £1,500; same hands 20 years; good house, could let-off if desired; price £450.

Particulars of any of the above and others free on application.

NOTICE.

Gentlemen doing business through Messrs. Berdoe have the advantage of their 27 years' experience, during which time they have been solely engaged in selling and valuing Chemists' Businesses. All valuations personally conducted.

NO CHARGE TO PURCHASERS

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Chemists' Valuers, Transfer Agents, & Accountan

76 CANNON STREET, LONDON, E.C.

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MIDDLESEX.—Good Retail and Dispensing trade, doing about £1, yearly; price £750; good house and handsome pharmacy.

MIDLANDS (South).—A good old Country trade, with first-cl residence and nice garden; returns nearly £900; net profit about 33 cent.; price £750; we strongly recommend this as a sound investment.

ESSEX.—Light Retail and Prescribing trade, to which Dentistry mi be added with advantage; returns £950; price £800; first-rate house.

Full particulars of any of the above sent free on applicatio

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CROYDON.—Net profit £150; price £350. **LONDON, W.**—Net pr about £300; price £650. **BIRMINGHAM.**—Returns £8 per week; p £300. **MIDLANDS.**—Net profit £200; price £600. **BIRMINGHAM** Net profit £300; price £600. **LONDON, E.**—Returns £450; price £ **CHANNEL ISLANDS.**—Net profit £225; price £500. **BRIGHTON** Net profit £175; price £450. **NORTHUMBERLAND.**—Net pr £300; price £950. **SCOTLAND.**—Net profit £320; price £ **LONDON.**—Bargain; price £120.

Particulars on application.

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M.P.S.,

Chemists' Transfer Agents and Valuers,

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44 YEARS' EXPERIENCE.

Valuations Conducted with careful attention to detai

BUSINESS WANTED.—Thomas Tomlinson & Son, having on tl books an extensive list of gentlemen who have entrusted them w commissions to look up a good genuine Business, intending sellers can upon being at once with all despatch put into communication with bo fide buyers without publicity and the annoyance of answering "curiosi applications. **No charge made unless Sale is effected.**

BUSINESSES FOR DISPOSAL of various classes, and amount returns ranging from £200 to £4,000. Particulars given to bona-fide applicants stating outline of requirements.

Have constant enquiries for REGISTERED ASSISTANTS. Applicants introduced free.

NO CHARGE TO PURCHASERS.

Telegraphic Address—"TOMTOM."

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3s. 6d. for 50 words or less; 6d. for every 10 words beyon

BRISTOL.—£300 cash.—Small profitable Business in Bristol, chie Prescribing own Preps. and Cash Retail; established 40 years; fi prices except for Patents, which are almost nil; mahogany fittings, plat glass front, lamp, and side-door; rent only £30; invoices, books, &c., op to buyer. Z. (135/24), Office of THE CHEMIST AND DRUGGIST, 42 Cann Street, E.C.

CHANNEL ISLANDS.—Through illness; Family and Dispensi Business; the shop is extra well fitted and is in the principal bu ness street; stock thoroughly up-to-date; nice residence; mild climat cheap living; low rent, taxes nominal; legal qualification not necessar net profit £220; price £500. "Japan," Chemists' Club, 2 Farringd Avenue, London, E.C.

ARDIFF.—Brauch Busiuess for Disposal; Light Retail, Prescribing, and Dispensing; good-class neighbourhood; full particulars on ap cation with reference; valuation only required. about £250; satisfa ry reason for disposal. Apply, Fred Millward, 60 Woodville Road, Ca ff.

EVONSHIRE.—The proprietor of an old-established good-class County Business, doing nearly £5,000 a year with Grocery, is now se ng to retire, and will he glad to correspond with a gentlemau with a vi to succession; capital required, about £3,000; the departments have al s been kept separate, and there is plenty of scope for increase. Apply, "Ionian" (135/29), Office of THE CHEMIST AND DRUGGIST, 42 Cannon St t, E.C.

NCASHIRE.—Branch Business, in small town, with good surroundings, returning now £450, hut under hetter management pre- vi year £800; this presents to a good business man a very unusual op rtunity of purchasing, for £250, a business that is capahle of doing £ 0 per annum; good house, rent £22; vendor's other business is not in th ame town. F. J. Brett, Valner, 37 Waterloo Street, Leicester.

EDS (near).—Genuine Chemist's Business for Sale, in best position large manufacturing town near Leeds; Retail and Prescribing; m ificently fitted and well stocked; retnrns £550, under management; ve profitable: 25 good proprietaries; price £450; exceptional oppor- tu y for qualified Chemist, who ooild double takings almost immediately; on one in town of 23,000 inhabitants. Address, "Chemicus," Morley.

EK (North Staffordshire).—Good-class Light Retail and Dispensing; very handsomely fitted and well stocked; premises may he pu hased with the business. Apply, W. K. Wright, Chemist, Shirley Bl ings, Leek, Staffordshire.

NDON.—Suburban Cash Business; splendid uuopposed position; net profit under present manager over £200, and steadily increasing; ca required, £450; every investigation open; priocipal could easily de le returns in a year or two. Address, H. (133/24), Office of THE CH IST AND DRUGGIST, 42 Cannon Street, E.C.

NDON.—Ready-money Business, occupying commanding position, with extensive premises, in busy main thoroughfare; long lease, low re ; returns average over £2,500 a year, at excellent profits; old-estab- li d, with several good and nnusual Proprietaries; lowest price, £2,400 as going concern; only a cash buyer entertained. Write, with references, "E terprise" (132/28), Office of THE CHEMIST AND DRUGGIST, 42 Cannon St t, E.C.

NDON, S.W.—Good-class Light Retail and Dispensing Busiuess; over 3,000 prescriptions yearly; haudsome corner, capital main-road po ion; returns £1,270, increasing and profitable; low rent, on lease; 10 omed house, bath-room; price £950; satisfactory reasons for selling. "Ju es" (132/27), Office of THE CHEMIST AND DRUGGIST, 42 Cannon St t, E.C.

NDON, S.W.—To High-class Drug Stores.—An old-established Business with long lease; best position, main road; one of the most fa ured suburhs. S.W. Letters to "Chemist," c/o T. W. Hannaford, Esq, 5 ndgate Hill, London, E.C.

NDON, S.W.—£170 or Valnation.—Profitable Light Retail and Prescribing Business, in an increasing aud healthy suburh; returns £ veekly; rent £32, on lease; good house; to anyone seeking a small g ine business, where a good living is being made, this is a good chauce. "Su burb" (132/26), Office of THE CHEMIST AND DRUGGIST, 42 Cannou St t, E.C.

NDON (Suburb), S.E. Light Retail aud Dispensing Business; good honse, well-fitted shop, and good neighhourhood; long lease, lo rent; owner retiring from the Retail; every investigation allowed; p £250, or a reasonable offer would he entertained. Address, "Tenax" (132), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

NDON.—Small, genuine Business, in working-class neighbourhood; returns over £200 under management; could be greatly increased b ersonal attention; good opening for Teeth-extractor and Prescriher; n gents; price £85, or fair offer. Apply, hy letter only, to "Chemist," 1 Park Street, Stoke Newington, N.

OUTH BUCKS.—Light Retail and Prescribing Business, for immediate Disposal, owner having left the trade; visiting Dentist pays ; grand opening for young man commencing; price £180, merely e of stock and fixtures. 134/29, Office of THE CHEMIST AND DRUGGIST, 4 annon Street, E.C.

OUTH COAST.—Light Retail Dispensing and Prescribing Business with Dentistry; exceptional profits; grand positiou; heavily s ked; returns £1,000; convenient house, &c.; reasons for disposal owner g abroad. Apply, "Dens" (134/4), Office of THE CHEMIST AND D GGIST, 42 Cannon Street, E.C.

OUTH WALES.—Splendid opportunity for young pushing beginner with small capital iu principal town of South Wales; Welsh not n ssary; good position; will sell at valuation; proprietor leaving trade. V te, 133/14, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WEST OF LONDON (few miles out).—A good-class Family Retail, Dispensing, and Prescribing Business; the net profit is nearly £450 yearly, after meeting every expense; good house, ou lease, at low rent; price £900; strictest investigation courted. 134/28, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WEST OF ENGLAND.—For immediate Disposal, old-established Business, in market town; central; large double plate-glass front; splendid opportunity for a young man with cuergy; owuer wanting to take larger coucern; good house; rent only £30; returns nearly £400; price £275 cash. W. (134/9), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WEST RIDING.—Genuine Business, beautifully fitted in mahogany; district increasing very rapidly; suhurh of large town; Light Retail and Dispensing; 5,000 prescriptions yearly; advertiser buying large business; turuover last year £427; for immediate cash, £250; few Patents; no opposition; population abont 6,000; rent £17; lock up. "Prescription" (133/29), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WOLSTANTON, STAFFS.—For Disposal, Retail aud Dispensiug Chemist's Business, in consequence of the death of the proprietor, who has carried on the business for upwards of 20 years; population 6,000; no other chemist; risiug neighbourhood; terms moderate. 131/10, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

YORKSHIRE.—A genuine old-established Chemist's Business for Disposal, Agricultural, Prescribing, and Family trade; for one accustomed to country hnsiness this is au excellent opening. For particulars, apply T. Marshall & Sons, Beverley, Yorks.

YORKSHIRE.—£1,600.—In a large manufacturing town in Yorkshire, owing to the ill-health of the proprietor, a Wholesale and Retail Drug Business, where an excellent trade is done in Proprietaries and Specialities; there are steam appliances, &c., and every facility for carrying on a large and lucrative business. Apply, S., Messrs. Evans, Sons & Co., Liverpool.

CHEMIST and Druggist's; main thoroughfare; old established; net profits £200 a year; lease, stock, and fixtures, all at, £300. Morton Bell, 9 South Place, Finsbnry Pavement.

SPLENDID opening for young man; owner going abroad; no opposition; E.P. 10,000; capable of large extension; patents almost *nil*; returns abont £400; price £220, or reasonable offer. Address, Lathom, Solicitor, Luton.

THOROUGHLY genuine and reliable Business, consisting of Dispensing, General Retail, Prescribing, and Extracting, also good Proprietaries; established over 20 years; no opposition; in the midst of a large population; returns about £750; mining and manufacturiug district, close to beautiful scenery; satisfactory reason for disposal; sacrifice £380; good stock; small house, rent low. "Staffs" (130/25), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TO be Disposed of, as a going concern, one of the oldest-established Chemist and Druggist's Business in Oldham, together with good-paying Proprietaries; ill-health reason for disposing. Further particulars. apply, Fred Brierley, 13 Coronation Street, Oldham.

£200 for Business making net profit of £150; genuine bargain; must sell having other business; stock and fixtures worth more than price asked. Apply, Hughes, 121 Fulham Palace Road, W.

BUSINESSES WANTED.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

BONUS £2 2s.—A Qualified Medical Practitioner would like to hear of a town in which there is a good opening for commencing practice, and will be pleased to pay the above sum to anyone snpplying the necessary information, provided the same is acted upon. "Stethoscope" (133/33), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

THOS. TOMLINSON & SON, Chemists' Transfer Agents and Valuers, 9 New Cannon Street, Manchester, have clients who are looking for. and would purchase for cash down, genuine Businesses in the North of England or Midlands, amountiug to £1,000 to £2,000, ou reasonable terms. Immediate confidential replies would be given as to eligibility, and the utmost secrecy may be relied upon.

WANTED, a good-class Retail and Dispeusing Busiuess, returning from £1,500 to £2 000 a year State full particulars, in confidence, to Ph.C., c/o Messrs. Woolley, Sons & Co., Manchester.

WANTED, immediately, small genuine London, Suburban, or Country Business, returning not less than £400 a year; must have good house attached, with low rent; objection to branch from business in same town; no agents. "Chemist," 6 Lower Bedford Place, Terrell Street, Bristol.

TENDERS.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

FOR SALE by Tender, the fourte n Proprietary Articles, including the celebrated successful "Penny Pill," late the property of Mr. William Backhouse, of 34 Upperhead Row, Leeds, Chemist, deceased. The highest or any tender not necessarily accepted. For particulars apply to Mr. Benson Bailey, Solicitor, Leeds.

TO LET.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

BIRMINGHAM (near).—Chemist's good Shop and House to Let, in popnlons and growing neighbonrhood, near Birmingham, where there is a good opening; premis s dry and ready; 6 bedrooms, bath (hot taps); rent £40; advantage offered to tenant starting. Wright, 342 Bristol Road, Birmingham.

CHISLEHURST.—To Let, large convenient Premises; premier position; most excellent opportunity in this increasing high-class neighbourhood. Further particulars of A. Line, Chislehnrst.

IMPORTANT NOTICE to LARGE TRADERS.
13 HANDSOME SHOPS, now being erected
in the main
HOLLOWAY ROAD, London, N.
(Opposite Railway Station
on the Great Northern Railway Line.)
Population, two mile radius 875,276.
One of the finest positions in the whole of London.
J. SAINSBURY.
Purveyor of High-class PROVISIONS, POULTRY, and GAME,
will OPEN the CENTRE PREMISES.
For full particulars and photo of elevation
Apply to L. F. Evamy, 15A Bennett Street, London, S.E.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

RETAIL.

BARNSBURY, LONDON, N.—A good Jnnior, not nnder 21; must be a neat and accurate Dispenser, and have good references. State age, height, salary, experience, enclosing photo (to be returned), J. Holding, Chemist, 169 Hemingford Road, N.

BATH.—Wanted, an indoor Junior Assistant, used to a select Dispensing and Light Retail business. Please state full particnlars (enclosing photo) to R. Dunn, Chemist, Bath.

BIRKENHEAD.—Good Jnnior wanted for Dispensing bnsiness; indoors. Apply, A. H. Ellithorne, 8 York Place, Ball's Road, Birkenhead.

BLACKPOOL.—An Assistant for Branch; good Prescriber and pushing Salesman essential; mnst be energetic, obliging, and trustworthy in every respect. Apply, stating age, salary (indoors), and nsnal particulars, with photo. Oliver L. Jackson, Church Street Pharmacy, Blackpool. Applications not answered in three days respectfnlly declined.

BRECON.—R. E. Charles, Chemist, Brecon, wants a Junior Assistant, abont 20.

BRIGHTON.—Wanted, a Senior Assistant with Major qualification. Apply, with full particulars, to Glaisyer & Kemp, Brighton.

CARLISLE.—Ontdoors; smart, qualified Assistant to manage Branch; no Sunday duty; half-holiday weekly; enclose photo. Apply, Hunter, Chemist, Carlisle.

CHESTER-LE-STREET.—Wanted, Assistant for Mixed Retail, Wines and Spirits (registered). Apply, stating experience, age, salary required, also enclosing references and photo, to Robinson & Co., Chester-le-Street, co. Durham.

CHINA.—One or two Assistants, with firm having first-class Retail and Dispensing bnsinesses in the Far East; applicants shonld not be over 30 years of age; qualification desirable but not essential. Address, 'X,' c/o Messrs. S Maw, Son & Thompson, 7 to 12 Aldersgate Street, E.C.

CROMER.—Wanted, at once, Assistant, aged about 23, and of good appearance and address, for seaside Light Retail and Dispensing business; must have good references. Applicants are requested to furnish all usnal particulars, state salary reqnired (indoors), and enclose photo, D. Davison, Pharmaceutical Chemist, Cromer.

EXETER.—J. Hinton Lake, Ph. Ch., 41 High Street, requires, for first-class Dispensing, Retail, and Photo trade, a qualified or otherwise experienced Assistant; either indoors or outdoors by arrangement. Full particulars, with carte, to above address.

EXETER.—Wanted, Junior Assistant; quick and accurate Dispenser and good Counterman. Apply, stating age, height, references, and enclose photo, Milton & Son, Pharmaceutical Chemists, 265 High Street, Exeter.

GUILDFORD.—Wanted, an energetic Assistant, of good address, for Light Retail and Photography (indoors), about June 10. Apply, stating full particnlars and salary required, to Wheeler, Chemist, Guildford.

HUDDERSFIELD.—Needhams, Chemists, Huddersfield, reqnire two qualified Managers for Branch shops; character must bear strict investigation. Full details of qualification, experience, age, salary, and possible photo, to be sent with first letter. Only those seeking a permanency need apply.

HULL.—Wanted, Junior Assistant (indoors); accustomed to good class Retail and Dispensing bnsiness; two kept; short hours. reply, please state age, height, salary required, and references; also when disengaged. Metcalfe & Son, Pharmacists, Hull.

KARACHI.—Qnalified Assistant wanted, aged from 25 to 30 years with first-class London experience; thoroughly steady, and good Dispenser; 4 years' agreement; salary about £130 first year, £150 second year, £170 third year, and £190 fourth year; board and lodging provided, second-class passage by P. & O. paid to Karachi, viâ Bombay. Apply, with full testimonials and photo, to Export Department, S. Maw, Son & Thompson, 7 to 12 Aldersgate Street, E.C.

LEEDS.—Junior or Improver wanted at once; 2 kept. State full particulars, references, photo, salary, &c., to G. Crawshaw, Pharmaceutical Chemist, Hyde Park, Leeds.

LEOMINSTER.—Improver, or one who has served one or two years. Ellwood & Son, Leominster.

LINCOLNSHIRE.—Wanted, Manager for small branch; Minor man. Lincolnshire. Apply, Tucer, c/o Potter & Clarke, Artillery Lane, E.

LIVERPOOL.—Immediately, qualified Assistant, about 24, accustomed to good-class Dispensing and Retail; must be steady, reliable, and carefnl and neat Dispenser; indoors; applicants will please state all particulars in first letter. For fnll particnlars, apply, enclosing photo (to be returned) to Manager, Apothecaries' Hall, Liverpool.

LONDON.—At once, Assistant, to take entire charge of Retail, indoors; qualification not essential; good salary to smart man. Booth, 394 King's Road, Chelsea.

LONDON.—Bloomsbury Dispensary, 12 Bloomsbury Street, W.C.—A vacancy in the office of Dispenser to the above charity having occnrred, candidates for the appointment, whose names must be on the register of the Pharmaceutical Society of Great Britain, and who must have had practical experience in Dispensing, and mnst not be over 35 years of age, are requested to send their applications, in their own handwriting, with three testimonials, addressed to the Secretary, at the Dispensary, not later than Saturday, the 5th June next; salary £100 per annum; ladies are not eligible. Information respecting the dnties, &c., may be obtained from the Resident Medical Officer.—Henry C. Latreille, Secretary.

LONDON, S.E.—Manager for a Branch business; qualified; good references; aged abont 30. Apply by letter, giving as full particulars as possible, to Mr. Bunker, 135 Great Dover Street, S.E. A part-time Junior also wanted.

LONDON, W.—Wanted, Junior, about 21; quick Dispenser. Send usnal particulars and reference to Feltwell & Co., 91 Hammersmith Road, W.

LONDON, N.W.—Wanted, immediately, qnalified Assistant, about 24, indoors; comfortable home; Sunday dnty one evening per month only. Apply by letter, stating particulars, or personally, to J. A. 323 Kentish Town Road, London, N.W.

LONDON, S.E.—Locnm-Tenens.—Wanted, a competent Dispenser (ontdoors) for 2 or 3 weeks, from Jnly 9 or 10; a knowledge of Homœopathic Pharmacy indispensable. Apply, stating age, salary required, &c., to M. D., 79 Denmark Hill, London, S.E.

LONDON, S.E.—Junior; outdoors; Oash and Photographic business; no Snnday dnty, half-holiday weekly. Apply, Hooper, 31 Peckham Rye, S.E.

LONDON, N.W.—Qnalified Jnnior Assistant (outdoors); must be accustomed to good-class Dispensing bnsiness; personal application if possible. Dnnford, 142 High Street, St. John's Wood, N.W.

LONDON, E.—Assistant (girl or man), to bottle and wrap Proprietaries. Apply, Packen Brothers (Limited), Forest Gate.

SITUATIONS OPEN CONTD

RETAIL—continued.

LONDON, E.—Active and trustworthy Manager (outdoors); good references essential; with suitable man an interest in the business mi t be arranged. G. S. W., Chemists' Club, Stonecutter Street, E.C.

LONDON, W.—John Barker & Co. (Limited), Kensington, W., are in want of a Counter Assistant. indoors; close at 7, 2 o'clock Saturdays, no nday duty; personal application necessary.

MACCLESFIELD.—Locum; from June 25 to July 9. Apply, with reference and terms, to Leach, Chemist, Macclesfield.

MALVERN LINK.—Wanted, by the 10th June, an Assistant, Minor qualification (indoors), for a Light Retail and Dispensing business. Ay, stating age, height, salary required, to C. J. Boorman, Chemist, Mern Link.

MARGATE.—A smart Junior wanted. Send full particulars to A. H. Brooks, 110 High Street, Margate.

NEWPORT, MON.—Smart Counterman wanted, accustomed to quick trade. Phillips, Pharmaceutical Chemist, Newport, Mon.

OLDHAM.—Wanted, smart active Junior, outdoors, about 20, for pushing Retail business; must be quick and reliable, and a good Co terman. Address, stating age, experience, references, and salary re red, with photo, to J. & J. Thompson & Co., Lim., 192 Manchester St t, Oldham.

ROCHESTER.—A competent Junior Assistant; qualified; indoors. State age, height, reference. and salary required, with photo, to O r & Co., Rochester, Kent.

SOUTH AFRICA.—Wanted, for a Colonial seaport town, Assistant, not over 30; Minor qualification; 3 years' engagement; passage paid ou salary £150, £165, and £180 respectively. Apply, with full particulars, er sing photo and copy of testimonials, to "South Africa" (129/21), Office of HE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SOUTH COAST.—An Assistant wanted; indoors; easy hours. Apply, stating full particulars, age, height, references, salary required, to O. 34/10), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SPALDING.—Wanted, immediately, qualified Chemist, about 22 to 25, to manage Branch; Dispensing and Light Retail business; abstainer pr rred; must be well recommended; outdoors. Apply, Talbot Herbal Re edies Co. (Limited), Boston, Lincs.

STOKE-ON-TRENT.—Energetic Junior; about middle of June; outdoors; unqualified; half-holiday weekly. Apply, stating usual pr iculars, with references, to W. L. Baylass, Church Street, Stoke-on-T t.

TAUNTON.—At once, a competent Assistant (qualified) for a good-class Country trade; hours, 8.30 to 8; half-day weekly; no other s tant kept; must have good appearance and address. Send usual par- ti ars, age, height, salary (moderate to commence, progressive to a s ble man), with photo, to "Chemist," 15 Hamnett Street, Taunton.

TONBRIDGE.—Wanted, an experienced Assistant for good-class Retail and Dispensing Business; accurate Dispenser necessary. State a height, salary required, enclosing photo (to be returned), also latest r ences, Abel, Chemist, Tonbridge, Kent.

WINDSOR.—Assistant wanted in first-class Chemist's business; must be neat and accurate Dispenser. Apply to Russell & Co., Pr maceutical Chemists, Windsor.

WOODSTOCK.—Wanted, for summer months, Junior Assistant or Improver, for Country Retail and Dispensing; indoors; easy hours; h -day weekly; time for study. Apply, stating age, height, salary r ired, references, &c., to H. J. Heyhoe, Chemist, Woodstock.

WOOLWICH.—Wanted, a reliable Junior Assistant, for a small business; one used to Extracting Teeth and Prescribing, and can t charge; indoors, and abstainer preferred. Apply, stating salary, capa- bi ies, and refereuces, and when disengaged, to "Chemist," 36 Church S et, Woolwich, S.E.

YORKS.—B. B. Cowgill, Wholesale Druggist and Drysalter, Sowerby Bridge, requires a Confidential Assistant to serve at counter and l vel 4 days a week; state age, height, salary (indoors), photo, and full p iculars as to experience, references, &c.; a young man with business e gy will be treated liberally.

YORKSHIRE.—Qualified Manager wanted for a Mixed Drug business in Yorkshire. Apply, with full particulars, to "Radix," c/o Messrs. J mes & Co., York.

ASSISTANT, good Extractor, with knowledge of Dentistry preferred; unfurnished rooms; not under 30. "Omega," Medical Hall, Dartford.

ASSISTANT wanted, immediately, outdoors, of good General experience; pushing active Countermau, used to Store system preferred. Apply, enclosing photo, and stating full particulars, or call after 7 P.M., Hughes, 372 Harrow Road, W.

HOSPITAL for Consumption, Brompton, S.W.—Junior Assistant Dispenser; salary £90 per annum; Miuor qualificatiou. Applications (copies) to be directed to the Board of Management, not later than June 7 next.

IMPROVER or Junior for an old-established Light Retail and Dispensing business. Apply, stating age, height, experience, and salary required, and enclosing photo (which will be returned), to "Chemist," c/o Messrs. Barron, Harveys & Co., Giltspur Street, E.C.

MANAGER.—Advertiser wishes to correspond with a first-class man (qualified); must have had good experience and undeniable references; to suitable man first-class salary giveu. All particulars in first letter, Z. (133/12), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

QUALIFIED or otherwise; outdoors; one who has been accustomed to Laboratory and research work preferred; good opportunity for an enterprising man. 130/63, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

QUALIFIED Assistant, as Senior, for high-class Retail and Dispensing in fashionable inland health resort; good Dispenser and Counterman essential; able to take occasional control; good references; indoors, sleep out; easy hours. Apply first instance, with full particulars, B., Messrs. Edwards & Son, 157 Queen Victoria Street, E.C.

THOS. TOMLINSON & SON, Chemists' Transfer Agents and Valuers, 9 New Cannon Street, Manchester, have constant inquiries for good, practical, up-to-date Assistants (qualified), to whom good modern salaries would be given.

WANTED, at once, for season, Junior Assistant for select Retail and Dispensing. State full particulars, 133/37, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WHOLESALE.

LONDON.—Smart youth wanted at once in Manufacturing Chemist's; intelligent and willing to be useful. Marshall's (Limited), 27 Red Lion Square, W.C.

LONDON.—Wholesale Druggists.—Junior Assistant, about 20, with good experience in both Wets and Drys, and first-class references. By letter, stating salary, to H. H., 77 Kennington Park Road, S.E.

LONDON AND SUBURBS.—Wanted, Agent, with one other commission, to call on Chemists in London and Suburbs, with good selling articles. Only well recommended pushing agents need apply, under A. P. (132/19), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

NORTH OF ENGLAND.—A Wholesale Drug House in North of England require an Invoice Clerk. Apply, stating experience, salary required (only those with good kuowledge of trade need apply), 131/42, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

JUNIOR Invoice Clerk wanted for Druggist's Sundries. Apply by letter, stating age, experience, and salary required, J. C. (131/69), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TRAVELLER wanted, with good connection in the North of England and Scotland; Druggists' Sundries, Perfumery, and Packed Goods; a smart Traveller will find this a really good opening. "Myrrh" (131/46), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

TRAVELLER.—Wanted, a gentleman to represent a firm of Manufacturing Chemists in London and suburbs; fixed salary, no commission; permanency to suitable man. Apply in first instance to "Extract" (135/20), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

APPRENTICESHIPS.

RETAIL.

KINGSTON-ON-THAMES.—Wanted, young gentleman as Apprentice; one who has passed the Preliminary, or its equivaleut, preferred; premium required. C. N. Coles, Dispensing Chemist (from Savory & Moore, London), 94 Richmond Road, Kingston-on-Thames.

OAKENGATES.—Wanted, Apprentice for chemist's business; premium required if indoor. Ferriday, The Pharmacy, Oakengates, Salop.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 6 words beyond.

RETAIL.

JUNIOR; able to Extract. Warhurton, Chapel Street, Leigh, Lancashire.

JUNIOR; indoors; 19. Bernard Beer, St. Nicholas School, East Dereham.

LOCUM-TENENS; 45; town or country. Baker, 154 Fortess Road, London, N.W.

QUALIFIED; 27; outdoors; London or suburbs. H. B., 323 Kentish Town Road, N.W.

DISPENSER to Doctor; aged 25; good references, S. S., 26 Mosslea Road, Penge, S.E.

BRANCH or Assistant; Minor; 28; good experience. M., 4 Donegal Place, Lower Clapton.

LOCUM, during holidays; qualified; 24; good references. "Cinchona," 20 Windsor Street, Brighton.

MANAGER; London, Country, and Foreign experience. "Pharmacist," 77 Brockley Rise, S.E.

QUALIFIED Minor: 38; disengaged; excellent refereuces. "Chemist," 122 Sandmere Road, Clapham, S.W.

LOCUM; at liberty shortly; thoroughly experieuced. "Ferrum," 5 Alma Street, New North Road, N.

LOCUM; disengaged; aged 29; good Extractor and Prescriber. 17 Strickland Street, St. Johu's, S.E.

LOCUM; disengaged until Juue 15th; abstainer; 29; Major. Williams, 46 Handforth Road, Brixton.

RE-ENGAGEMENT; Wholesale or Retail; 6 years' Retail experience. L. C., 101 North End, Croydon.

LOCUM; 34; abstainer; references; disengaged. Jones, Terrace Pharmacy, Peckham Road, London, S.E.

RE-ENGAGEMENT as Surgeon's Dispenser; 18 years' experience. "Chemicus," Station Hill, Eastleigh, Hants.

OUTDOORS; qualified; experienced; 5 ft. 8 in.; 30. Dee, 24 Hill Street, Renshaw Street, Hulme, Manchester.

LOCUM; unqualified. but experienced; highest refereuces; 25. Q, c/o Mr. Horton, Chemist, Woburn Sands, Beds.

ASSISTANT; 29; thoroughly experienced; London and Provincial; disengaged. "Ipsa," 4 Swan Hill, Shrewshury.

ASSISTANT; qualified; aged 24; 7 years' experience; tall. "Ferrum," 28 St. John's Wood Road, Bournemouth.

DISPENSER or Locum; qualified; experienced; temporary engagements arranged. A. H., 47 Rossiter Road, Balham.

ASSISTANT or Branch Manager; outdoors; married; 31; in or near London. G. S., Highlands Maldon Road, Colchester.

SITUATION wanted, Junior or Improver; no objection to Stores; aged 19; height 5 ft. 5 in. Ras, 14 St. Aldate's, Oxford.

34; temporary or permanent; diseugaged; abstainer; thorough all-round experience, "Locum," 29 Borwick Street, S.W.

QUALIFIED German Assistant; 6 months' London experience; good references; disengaged. Blaser, 42 Upper Bedford Place, W.C.

ASSISTANT or Manager; 26; qualified; disengaged; 3 years in last situation; state salary (outdoors); permanency. Dennis, Broadbank, Louth.

DISPENSER, Counterman; English and Continental experience; excellent references; good Prescriber; aged 24. P., 4 Marlborough Square, Chelsea.

ASSISTANT or Manager; qualified; 28; abstainer; experienced; excellent refereuces; South of England preferred. Chettle, Trowbridge, Wiltshire.

COMPETENT all-round Assistant; qualification 12 years' practical City, West End, and Store experience. "Nostrum," 28 Glebe Place, King's Road, Chelsea.

FOR Summer months; seaside preferred; Minor; 6½ years' experience good Dispenser. 130/70, Office of THE CHEMIST AND DRUGGIST, 4 Cannon Street, E.C.

LOCUM or Manager; Minor; good experience; aged 39; Liverpool district preferred. 133/9, Office of THE CHEMIST AND DRUGGIST 42 Caunon Street, E.C.

LONDON eugagement for ahout 9 hours daily with Surgeon or Chemist; outdoors preferred; abstainer; aged 22¾. Burnell, 69 Gloucester Road, N.W.

JUNIOR; 20; 5 ft. 5 in.; 5 years' experience; abstainer: disengaged Whitsuntide; Manchester or Birmingham preferred. H. Johnson King Street, Knutsford.

MANAGER or otherwise; married; unqualified; permanent; 40 Yorkshire preferred. 131/4, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MANAGER (25), tall, experieuced, qualified, highest references desires re-engagement; Scotland or North preferred. "Chemist," 123 Inverness Place, Cardiff.

SURGEON'S Dispenser and Book-keeper; highest testimonials and references; Mauchester or suhurhs preferred. "Student," 88 Queen' Road, Queen's Park, Manchester.

SITUATION wanted; Retail or Wholesale; 14 years' experience unregistered; married; Postal work understood; not afraid of work Christie, 44 Park Lane, Leeds.

MARRIED Medical mau would like to arrange with a Chemist re consulting work. D. H. (122/1), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MANAGER or Senior; aged 29; 13 years' experience; good references; single; north of England preferred. "Chemist," c/o Beatton, 4 Lovaine Terrace, Newcastle-on-Tyne.

MANAGER or good Senior; July 1; experienced, good houses; 29; tall; Minor; married; permanency. A. P. S., 7 Glentworth Terrace, Upper Church Road, Weston-super-Mare.

MANAGER or Assistant; qualified; 35; Store and Retail experience; outdoors; London or near. "Chemist" (131/7), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

AS Assistant; aged 24; height 5 ft. 4 in.; 7 years' experieuce; now disengaged; please state hours of husiness. "Delta," c/o D. P. Roherts, Drug and Chemical Store, North End, Croydon.

MINOR (convalescing) desires part-time work in return for board, lodging, and laundry, with small salary; kindly state all particulars. Apply, 131/39, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ASSISTANT, aged 33, married, seeks permanency; 16 years' good-class experience in Retail and Dispensing; 2 years in store; unqualified; Extractor; knowledge of Photography; disengaged. "Molar," 99 King Richard's Road, Leicester.

ASSISTANT; outdoors; couutry preferred; aged 35; married, no family; steady, soher, trustworthy, energetic; all-round experience; Extractor; Photographics; disengaged; highest references; unqualified. 134/14, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WHOLESALE.

TRAVELLER, Sundries and kindred trades; part salary; references aud security. A., 238 Neville Road, Uptou Park, E.

AS Clerk or Traveller; 24; married; 5½ years' general experience, London and Provincial; Wholesale; Advertising a specialité. "Layman," 48 Church Hill, Wedneshury.

TRAVELLER; 8 years' connection, Lancashire and Yorkshire. Medical men and Chemists; highest references. "Medicus" (133/11), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

AS Traveller for good Drug house; qualified; 11 years' high-class Retail experience; relative of same name has worked North-East journey twenty years. 133/27, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ASMART, steady youth wishes to gain a situation in the Wholesale or Retail Druggists and Chemists as a Wet or Dry Counterman or General Assistant; references if required; terms moderate. T. S. Brade, 26 Walmsley Street, Fleetwood, Lancashire.

YOUNG German, aged 23½, with good knowledge of English and French and 7 years' husiness experience acquired in leading Wholesale Drug firms, since January in London shiphroker's office, wishes to hear of an engagement. 132/25, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MISCELLANEOUS.

Special charges are made for Advertisements under this heading, which can be obtained on application.

DISPENSING quickly and thoroughly taught without interference with duties; preparation for Apothecaries' Hall, Laboratory Practice, Correspondence Course; fees moderate. Secretary, 38 Manchester Street, Manchester Square, W.

DAISY Window Attractions are so successful that Mr. Agar, chemist, South Bank, wrote to say that had he not occasionally taken it out, the window would most certainly have been pressed in by the crowd. If you want your window smashing thus, write for particulars. "Daisy," Leeds.

AGENTS wanted for the sale of Varixia, the best and safest cure for Varicose Veins, Varicocele, Piles, Cuts, Bruises, and Inflammatory Swellings; no operation required; highest medical and other testimonials; regularly advertised; liberal terms. Write to the Varixia Company, 70 Finsbury Pavement, London, E.C.

THE Proprietor of a Manufacturing Business, with a large connection amongst Farmers and Agriculturists, is desirous of meeting with a Gentleman having for sale a well-established Proprietary Article, such as Cattle-food, or something of a kindred nature, view to amalgamation or purchase. "Agriculture" (133/15), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

CHEMISTS' Shop-fixtures.—Ranges mahogany drawers, with bevelled-edge glass labels and cut-glass knobs, shelving above, lockers below; mahogany dispensing-screens; counters with glass-case fronts; wall-cases; front and flat-top counter-cases; counter-desks; tooth-brush cases; complete shop-rounds, &c.; every requisite for Chemists, new and second-hand; extensive stock to select from, at extremely low prices; practical men sent to all parts; estimates free. Matthews, Chemists' Fitter, 4 Manchester Street, Liverpool.

SULPHUR tablets, and sulphur and sarsaparilla tablets; the best made; send for samples free; sulphur tablets, 2 cwt. at 36*s.*, 1 cwt. at 38*s.*, ½-cwt. at 21*s.*, under 5*d.* lb.; sulphur and sarsaparilla, 2 cwt. at 41*s.*, 1 cwt. at 45*s.*, ½ cwt. 25*s.*, under 28 lbs. at 6*d.*; carriage paid on orders of 28 lbs. and upwards, cases free; window-tickets supplied free, various priced wordings. White, Chemist, Leicester.

CHEMISTS' Shop-fittings.—14-ft. wall-fitting mirror poison-cupboard, 68 mahogany-fronted drug-drawers, bevelled white and gold labels, and cut-crystal knobs, bottle lockering under, coverboard, mahogany-faced pilasters, shelving and cornice over, £18 10*s.*; 14-ft. serving-counter, mahogany double-moulded top, mahogany and plate-glass casing in front, £13 10*s.*; 2 similar, 9 ft. 6 in. long, each £18 5*s.* complete, suit any shop; 6-ft. dispensing-screen, mirror centre, with mahogany and plate-glass counter and sponge-case, £13 10*s.* complete; bent plate-glass counter-cases, with velvet trays, serving and display shelves, 8 ft., 6 ft., 5 ft., 3 ft., and 2 ft. 6 in. long, 10-ft. serving-counter, solid mahogany top and stained panelled-front, 70*s.*; counter-drawers, 4 ft. long, containing till, label, paper, and other drawers, 45*s.*; special job-line of bottles and ung.-jars, and immense assortment of shop-soiled fittings, wall-cases, handsome sponge-cases, &c. &c. Philip Josephs, Shop-fitter, 54 Old Street, City Road, London, E.C.

CUCUMBER AND GLYCERINE.

ROUSE'S Cucumber Paste is the best for preparing Cucumber Emulsion. Formulæ and labels free with each jar; ½ lb. (for 3 lbs. emulsion), 2*s.* 3*d.*; 1 lb., 4*s.* 3*d.*; 7 lbs., 25*s*, post free. Rouse, 61 Charlotte Street, London, W.

N.B.—Cucumbers actually enter into the composition of this article.

COGNAC OIL.

Guaranteed absolutely Pure Water-white, and Green, of Best existing Purity and Concentration. Described in "*The Chemist and Druggist*," page 183, January 30, 1897.

Manufactured as a Specialité since 1835 by

EM. KERN, Edenkohen, Palatinate, BAVARIA.

Summary of Principal Contents of to-day's issue of "The Chemist and Druggist."

"THE Gent that pays the Rent" is on p. 854.

NURSE GRAY'S cancer-cure is an antiseptic cream, as explained on p. 857.

THE Birmingham public analyst complains that some of the medicines sold there are too strong (p. 836).

AN abstract of the Pharmaceutical Society's income and expenditure for each year since 1868 is printed on p. 849.

OUR Reviews deal with Tyson's "Practice of Medicine," Gernie's "Herbal Simples," and "The Optician's Handbook" (p. 847).

MR. HYSLOP read a practical paper to the Western Chemists' Association, on Wednesday evening, dealing with storage in the pharmacy (p. 855).

A DRUGGISTS' sundriesman, who was doing a big business on an arrangement for making people taller, has made his bow at Bow Street on a charge of fraud (p. 836).

MR. NEVILLE (of Cambridge), Dr. Stanley Kipping, and Professor J. Millar Thomson are the chemists who will be elected Fellows of the Royal Society on St. Andrew's Day (p. 853).

WE report the annual meeting of the Nottingham and Notts Chemists' Association, held on Wednesday, at which a satisfactory condition of the Association was reported (p. 855).

MR. HOLLAND CRAMPTON, in a series of papers communicated to the Chemical Society, puts forward new ideas regarding the theory of electrolysis, and disputes the correctness of the ionisation theory of solution (p. 840).

SIR RICHARD QUAIN has reported to the General Medical Council that the new British Pharmacopœia is complete, and the members are to have proofs this week. It will be published after November next, and probably before Christmas (p. 852).

A COMPANY has been formed for selling formalin in this country (p. 843).

THREE fires and one burglary at chemists' shops are reported this week (p. 836).

THE latest particulars regarding the new parcels post arrangements are printed on p. 846.

THE chairs of botany and materia medica in the Philadelphia College of Pharmacy have been filled up (p. 839).

OUR Westminster department briefly report upon the Workmen's Compensation Bill which is still under discussion (p. 846).

SEVERAL histological facts—the alkaloids of belladonna, milk constant, and igasuric acid are included in scientific notes (p. 848).

A MAN who advertised trusses at Oxford is being prosecuted for obtaining money under false pretences, the allegation being apparently that testimonials advertised were not genuine (p. 837).

MESSRS. BRUNNER, MOND & CO. (LIMITED) pay a dividend at the rate of 30 per cent. per annum for the nine months ending March 31 last; and Sir John Brunner complains of cutting in the alkali-trade (p. 843).

ACTIONS in reference to Worcester Sauce (the right to use the title "original makers"), Helm Cocoa (the trade-mark), and Rendell's Suppositories (the alleged common right to the name of Rendell) are reported on p. 841.

AN analyst certified that some whisky contained 10 per cent. of added water because he found it 10 per cent. below the permitted standard. The defendant said he had added no water, and the spirit had evaporated. The High Court supported the Magistrates in dismissing the summons (p. 841).

Exchange Column—Bargains

½d. *per word with name and address.* 1d. *per word if we register the address and attach a number.*
No Advertisement inserted for less than 6d.

THE CIRCULATION OF . . .

THE CHEMIST & DRUGGIST SUPPLEMENT

NEXT WEEK, JUNE 5, 1897,

WILL EXCEED 14,000,

That is to say, it will comprise the entire Drug Trade of the United Kingdom, and will, besides, extend to the whole of the Foreign Circulation of THE CHEMIST AND DRUGGIST.

Take advantage of it by advertising Old and Surplus Stock, which can be turned quickly into cash by this means, and Apparatus, Books, &c., can be disposed of to advantage. The whole Trade reads this page.

BARGAIN NUMBER

JUNE 5, 1897.

Advertisements received by the Publisher, 42 Cannon Street, London, E.C., NOT LATER than THURSDAY, June 3, at 5 p.m. but send earlier if you can.

APPARATUS.

New scales, as Maw's, fig. 6, 11-in. pan, 15*s.*; rain-gauge, complete, 10*s.* 6*d.*; free. BROWN, Chemist Ampthill.

Sheep-dipping machine, handy and portable, cost about £5, price 50*s.* cash to clear; sketch sent. "DIPPING" (130/33), Office of the *C. & D.*

Large galvanised-iron tank, steam-tight, manhole and outlets, 72 × 30 × 18; also large galvanised percolator cone, holds 60 gals.; low price. MADDOCKS, 27 Upper East Smithfield, London, E.

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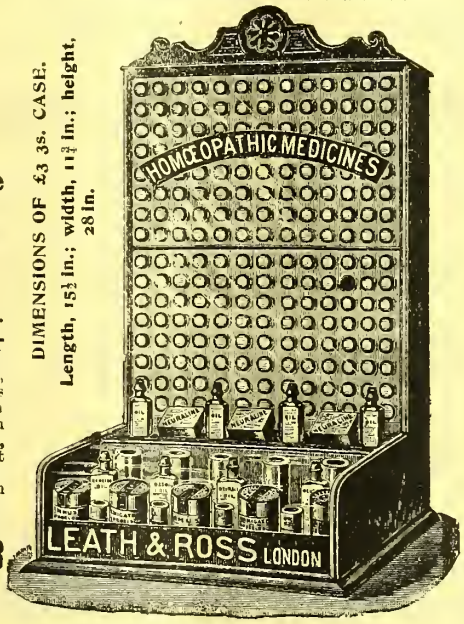

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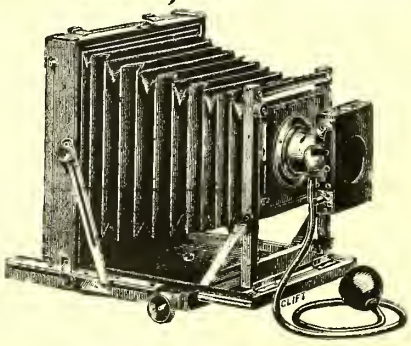

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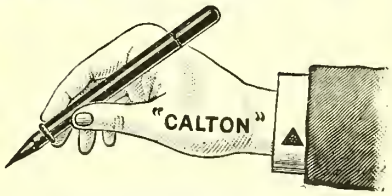

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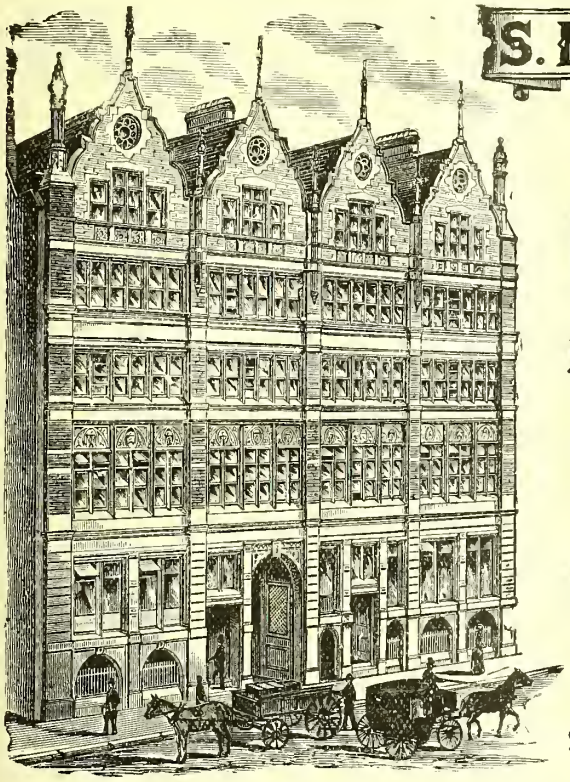

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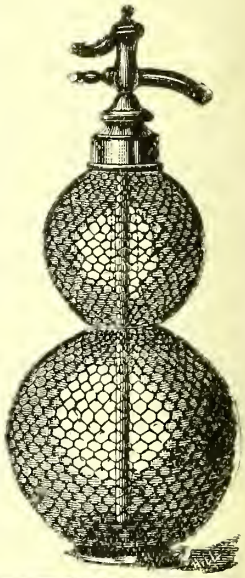

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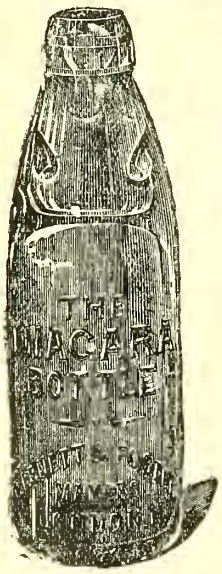

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NAME	Per Dozen Bots.	Per Dozen ½ Bots	Original Packages Bottles		Original Packages ½ Bottles	
Æsculap	15/-	12/-	25	30/-	50	50/-
Apollinaris	6/-	5/-	50	23/-	100	36/-
Bourboule (La)	11/-	—	50	42/-	—	—
Carlsbad	12/-	—	50	46/-	—	—
Condal	—	14/-	—	—	50	56/-
Contrexeville	9/-	—	50	35/-	—	—
Flitwick	24/-	15/-	—	—	—	—
Franz-Josef...	12/-	10/-	25	22/6	50	35/-
Friedrichshall	13/-	10/-	25	25/-	50	40/-
Gerolstein	5/-	4/-	50	20/-	50	15/-
HUNYADI-JÁNOS ...	12/-	10/-	25	22/6	50	35/-
Johannis	5/6	4/-	50	21/-	100	32/6
Kronenquelle	9/-	—	50	36/-	—	—
Oberbrunnen	9/-	—	50	36/-	—	—

NAME	Per Dozen Bots.	Per Dozen ½ Bots	Original Packages Bottles		Original Packages ½ Bottles	
Levico	—	15/-	—	—	—	—
Pullna	12/-	8/-	40	36/-	40	25/-
Reginaris	5/6	4/6	50	21/-	50	17/-
Roisdorf	6/-	—	50	25/-	—	—
Rosbach	5/6	4/-	50	20/-	100	32/-
Royat	9/-	—	50	34/-	—	—
Rubinat	15/-	8/-	25	30/-	100	60/-
St. Galmier	6/-	4/6	50	22/-	100	34/-
St Marco	11/-	6/6	50	42/-	100	52/-
Salutaris (including bottles)	4/-	2/6	—	—	—	—
Selters...	6/-	4/6	50	24/-	50	17/-
Vals	8/6	—	50	33/-	—	—
VICHY (State Springs), "Celestins," "Hôpital," "Grande-Grille," &c. ...	8/6	6/6	50	33/-	50	25/-

CARRIAGE PAID excepting **SALUTARIS.** DETAILED PRICE LIST AND PAMPHLET ON APPLICATION.

GENEVA.

— THE ONLY —

AMERICAN NATURAL MINERAL WATER

ON THE MARKET.

Springs: GENEVA, NEW YORK.

— CURES AND PREVENTS —

Gout, Rheumatism, Eczema,

AND

Uric Acid Troubles.

A DELIGHTFUL TABLE WATER

At HOTELS, CHEMISTS, STORES, or

DEPOT: 10a GREEN STREET, LEICESTER SQUARE, LONDON, W.C.

PAMPHLET FREE.

HOLY-ROOD

TABLE WATER.

Shown by analysis to be **equal** to the **best imported,** and is **FAR MORE ECONOMICAL.**

Highly Commended by LEADING MEDICAL AUTHORITIES

"It is a well aërated and pleasant Table Water, without a trace of bitterness."—*British Medical Journal.*

J. F. MACFARLAN & CO.

Abbeyhill Chemical Works,

EDINBURGH.

SELTZOGENE CHARGES

("MINERAL" BRAND).

A NEW DEPARTURE.

TARTARIC ACID SUPERSEDED

(See this Journal, 19/12/96, page 880).

British Materials. Inorganic. No Field for Germ Growths.

BETTER. STRONGER. CHEAPER.

THE SELTZOGENE PATENT CHARGES CO.

ST. HELENS.

SIX GOLD MEDALS and ONE SILVER MEDAL awarded.
HIGHEST AWARD at CHICAGO.

COLEMAN'S

WINCARNIS

OR

LIEBIG'S
EXTRACT OF MEAT & MALT WINE

Is a delicious beverage and tonic made from Port Wine, Liebig's Extract of Meat, and Extract of Malt.

WINCARNIS

Is a New Name Registered to prevent fraudulent imitations

OVER FOUR THOUSAND

Unsolicited Testimonials have been received from Medical Men.

IMPORTANT UNSOLICITED TESTIMONIAL FROM
T. POYNTZ WRIGHT, Esq., Medical Officer of Health, New Street, St. Neots.

New Street, St. Neots, January 28th, 1894.

I have much pleasure in giving you my experience as to the "Meat and Malt Wine" received from you some time since, and in bearing testimony as to its value as a recuperative and restorative agent.

In the early part of last year my wife was seriously unwell, suffering from loss of flesh and appetite, together with mental and bodily exhaustion and sleeplessness. She was under treatment for a considerable time without relief, and I at last determined to try "Wincarnis."

The effect was marked, and convalescence commenced from that date; the appetite returned and the weight hourly increased, and in about two months the health was restored, and this result was in a great measure attributable to the use of "Wincarnis"—of this I feel certain, that in many cases this preparation is a most valuable adjunct to medicinal treatment.

T. POYNTZ WRIGHT,
Medical Officer of Health, St. Neots.

WINCARNIS

Is sold by all Druggists, Wine Merchants, and Patent-medicine Vendors. Ask for **Coleman's "Wincarnis," or Liebig's Extract of Meat and Malt Wine,** and see that the word **"Wincarnis"** is on the shoulder of the bottle.

Sold in Bottles, 2*s.* 9*d.* and 4*s.* 6*d.*, everywhere.
If there is any difficulty in getting the Wine, write direct to the manufacturers, who will forward
Sample Pint Bottle free by Post on receipt of 33 stamps
" Doz. " " Rail " 30*s.*

SOLE MANUFACTURERS:

COLEMAN & CO., LIMITED,

ST. GEORGE'S AND BANK PLAIN, NORWICH;
AND 3 NEW LONDON STREET, LONDON, E.C.

Sole Proprietors of "Ozmazon," the New Beef Tea, Coleman's Crown Imperial Invalid Stout, and also Coleman's Crown Imperial Invalid Champagne, which is strongly recommended by the Medical Faculty.

Under certain conditions the cost of a Foreign Wine Licence will be defrayed. For full particulars apply to COLEMAN & CO., LIMITED, Wincarnis Works, NORWICH.

Secure this Agency! Look at the terms!

HOLLOWAY'S

Sale or Return.

33⅓ % discount.

COCA WINE

Guaranteed made from the Leaf.

Carriage Paid.

Cases Free.

THE BEST. Write for Particulars,

E. A. HOLLOWAY, A.P.S., TORQUAY.

N.B.—We guarantee to create demand at once.

ADAMS'S EXTRACT

FOR

HERB BEER

QUALITY AND FLAVOUR UNIQUE.

Certificate of Analysis from GRANVILLE H. SHARPE, F.C.S.

I have submitted to a very careful analysis a sample of ADAMS'S EXTRACT OF HERBS and find it be a highly concentrated preparation composed of judiciously selected herbs in combination with hops, and in the manufacture of which much skill and scientific judgment have been exercised.

It contains in an admirable and attractive form valuable tonic, stomachic, and dietetic properties, and there is an entire absence of undesirable admixture in any form.

It should prove a valuable acquisition in the world of non-intoxicating drinks, as when used according to directions it produces a beverage of high merit, refreshing and palatable to the taste and wholesome and invigorating to the system.

PROPRIETOR—

B. ADAMS, MANSFIELD

When applying for quotations please state approximate requirements in Bulk or Packed.

HIGHEST AWARD AT THE INTERNATIONAL EXHIBITION, LONDON, 1885.
TRADE MARK, Registered May 21st, 1867.

MILD DRINKS.
Cherry. Raspberry. Strawberry.
Lime Fruit. Black Currant.
Lemon. Orange. Lemon Squash, &c.

THE PIONEER TEMPERANCE BEVERAGES.—*Ch. Eng. Temp. Chron.*

TRADE MARK W.B.

BECKETT'S FRUIT SYRUPS & CORDIALS

TRADE MARK W.B.

HOT DRINKS.
Winterine. Gingerette. Ginger.
Lemon. Peppermint. Clove.
Elderberry. Cherry Punch, &c.

"First-class beverages."—*The Grocer.*
"Have an established reputation."—*Nonconformist.*
"Delicious beverages."—*Scottish Good Templar.*
"Beckett's Fruit Syrups are not to be excelled."—*Anti-Adulteration Review.*
"Exceedingly pleasant."—*The Rock.*
"Invigorating and refreshing."—*Manchester Courier.*

Price Lists and other information sent post free on application to the Manufacturers—W. BECKETT, SONS & CO., Heywood, Manchester.
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J. SANGER & SONS, 2 Winsley Street, Oxford Street; J. WOOLLEY, SONS & CO., Manchester; GOODALL, BACKHOUSE & CO., Leeds, &c., &c.

BRAND & CO.'S MEAT JUICE.

IN BOTTLES,
Price 28/- per dozen.
Less the usual discount.

To H.R.H. The Prince of Wales. The Empress of Germany, &c.

BRAND & CO'S.
SPECIALTIES FOR INVALIDS.
CONCENTRATED BEEF TEA, VEAL, MUTTON & CHICKEN BROTHS; TURTLE SOUP & JELLY, CALFS' FOOT JELLY, MEAT LOZENGES
ESSENCES OF BEEF, MUTTON, VEAL AND CHICKEN
SOLE ADDRESS, 11 LITTLE STANHOPE STREET, MAYFAIR, W.

A PROFITABLE EXTRA.

For Wholesale Terms and Agency apply to
PEARSE & MEEKING, Wholesale Tea Dealers,
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SPECIAL CHEMISTS' SUGAR

MACFIE & SONS'

PURE GRANULATED,
ENTIRELY FREE FROM COLOURING MATTER.

For making Syrups and other Pharmaceutical purposes.

GUARANTEED PURE CANE SUGAR.

MANUFACTURED ONLY BY

MACFIE & SONS

Sugar Refiners,

LIVERPOOL.

Samples and Quotations from EVANS, SONS & CO., 56 Hanover Street, LIVERPOOL, on application.

SOLE WHOLESALE AGENTS FOR CHEMISTS & DRUGGISTS—
EVANS, SONS & CO., 56 Hanover St., LIVERPOOL.
EVANS, LESCHER & WEBB, 60 Bartholomew Close, LONDON, E.C.
EVANS & SONS (LIMITED), MONTREAL.

MASON'S EXTRACT of HERBS

Makes the Finest Beverage in the World.

FOR MAKING

NON-INTOXICATING BEER

IMITATED, BUT NOT EQUALLED.

Good! it's Mason's.

One Table-spoonful of Mason's Extract of Herbs makes One Gallon of splendid Beer.

4 GOLD MEDALS

Do not be persuaded to buy any other kind, as the market is now flooded with vile rubbish, most of which contain no Herbs at all, and will not produce the same result. We guarantee ours to be COMPOSED OF HERBS.

HANDBILLS, SHOWCARDS, &c., ON RECEIPT OF BUSINESS CARD.

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NEWBALL & MASON

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COCA-KOLA WINE

With QUININE.

1. It is not liable to excise duty.
2. It is palatable to the taste.
3. It is effectively labelled.
4. It is a certain and powerful tonic.

5. It is extraordinary value.
6. It is without a rival.
7. It is selling wherever introduced.
8. It is not cut in price.

COCA=KOLA WINE is a combination of the powerful stimulating properties of Coca Leaves and Kola Nuts, with the tonic properties of Quinine.

IT IMPARTS TONE AND VIGOUR TO THE WHOLE BODY.

Put up in really first-class style. Bound to attract attention, command sale, and create trade.

In Apollinaris Pints, 8/- per Dozen.

POTTER & CLARKE, WHOLESALE DRUGGISTS, **60, 62, and 64 Artillery Lane, LONDON.**

GUEST & CO.

CITY WORKS, CARRUTHERS STREET, MANCHESTER.

MAKERS OF MEDICATED LOZENGES AND JUJUBES.

B.P., T.H. Ph., and General Proprietary Lozenges. Finest Gum Jujubes and Pastilles—Glycerine and Black Currant, &c. Granular and all other Effervescing Preparations. Boiled Sugars, Floral Tablets.

SEND FOR LIST, SAMPLES, AND COMPARE.

TELEPHONE 235. TELEGRAMS "GUESTO."

HILLABY'S HIGH-CLASS LIQUORICE.

SUPPLIED IN HANDSOME ENAMELLED TINS

Opinions of FREDERICK DAVIS, Esq., B.Sc., Member of the Society of Chemists, Newington College of Chemistry, 26 and 28 Newington Causeway, London, S.E.

"Liquorice Wafers of singular purity, consisting of Liquorice extract and Pectin, possessed of very delicate flavour; and I am further of opinion they are especially adapted for children and others requiring the demulcent and emollient principles of the liquorice plant in a palatable and convenient form."

"Liquorice Pellets having the following percentage composition:

Extractive 87, Water 13 = 100,

and containing no foreign colouring matter of any kind; and I am further of opinion the extractive is that obtained from the plant Glycyrrhiza glabra, and that the "Pellets" are exceptionally rich in the active principle glycyrrhizin, which by its demulcent and soothing properties to the vocal organs should prove of especial value to public orators and members of the dramatic profession; being of small size, they may be easily carried in the pocket."

"Liquorice and Malt Lozenges which upon chemical examination prove to consist of the finest extract of liquorice combined with malt extract, the latter exceptionally rich in diastase, rendering these lozenges of great value both as a nutritive and demulcent agent; and I am also of opinion a better preparation of Liquorice and Malt cannot be obtained, it being a palatable, nutritious, and compact sweetmeat. These lozenges should be of especial value to public speakers, singers, Members of Parliament, and others requiring a sustaining and demulcent combination during lengthy speeches or dramatic recitals."

WRITE FOR SAMPLES AND PRICES TO

JOHN HILLABY, LION WORKS, PONTEFRACT.

PRINCE ALBERT'S CACHOUX

HIGHEST AWARD COLUMBIAN EXPOSITION, CHICAGO, 1893.

These Cachoux are supplied only in Brass Boxes, of which there are three sizes.

No. 4's at 3/6 doz. (*Export*).
No. 5's at 4/- doz. (*Home Trade*).
No. 6's at 7/- doz.

SUBJECT TO TRADE DISCOUNTS.

All Labels, Titles, and Trade Marks registered in Europe and America

"BENZINE RECT."

JACKSON'S.

SIXPENNY & SHILLING SIZES, 4s. and 8s. per dozen.

A Genuine Benzol.

JACKSON'S CEMENT Chinese Diamond.

It has stood the test of time in all quarters of the globe.

In Bottles at 3/6 and 7/- per dozen.

ADHESIVE, TENACIOUS, AND KEEPS WELL.

JACKSON'S LIQUID GLUE.

SIXPENNY and SHILLING Sizes, at 3/6 and 7/- per doz.

BRUSHES INCLUDED. (B)

SPECIALITIES FROM THE LABORATORY OF THOMAS JACKSON, Strangeways, MANCHESTER.

SPECIAL NEW LINE

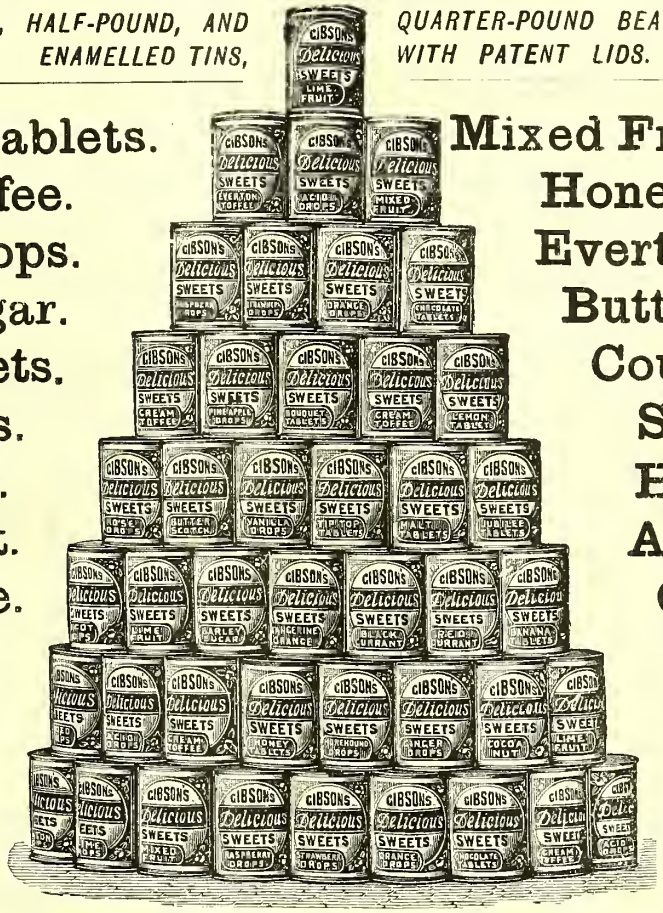
IN

GIBSON'S

CELEBRATED SWEETS.

ONE POUND, HALF-POUND, AND QUARTER-POUND BEAUTIFULLY ENAMELLED TINS, WITH PATENT LIDS.

Bouquet Tablets.
Cream Toffee.
Lemon Drops.
Barley Sugar.
Malt Tablets.
Pear Drops.
Mint Rock.
Lime Fruit.
Pine Apple.
Raspberry.
Damson.
Ginger.
Musk.
&c., &c.



Mixed Fruit Drops.
Honey Tablets.
Everton Toffee.
Butter Scotch.
Cough Drops.
Strawberry.
Horehound.
Acid Drops.
Greengage.
Chocolate.
Orange.
Cherry.
Rose.
&c., &c.

For many years these goods have been shipped abroad only in bottles; now the firm have decided to pack them in 1-lb., ½-lb., and ¼-lb. tins at 7/6, 4/6, and 2/9 per dozen respectively to the Retail trade, with usual discount, special terms being made with Wholesale buyers. Messrs GIBSON & SONS believe by offering their **WORLD-RENOWNED BOILED SUGARS** in portable, unbreakable packages, beautifully labelled for Counter show, they will not only enormously increase their own business, but supply a long-felt want to buyers abroad, and remove at once the only obstacle standing in the way of everybody being able to stock these goods without the slightest fear of sustaining any personal loss.

Indents may be filled and sent direct to the Works, MANCHESTER, to the Firm's LONDON WAREHOUSE—

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Or to any LONDON SHIPPERS.

THE LATEST SENSATION IS

Sen-Sen.

BEST SELLING CACHOU IN THE WORLD.

6/- *Per Box of—* 40 3d. Pkts., and 40 Free Samples.

Order a Box from your Wholesale House. If they have not stocked it, send us P.O. for 6/=, and we will send you a Box, carriage paid.

OUR price is 6s. PAY NO MORE.

SEN-SEN COMPANY,
9 Farringdon Avenue, LONDON, E.C.

Re

COLEMAN'S Wincarnis
COLEMAN'S Crown Imperial Invalid Champagne
COLEMAN'S Coca Wine
COLEMAN'S Wincarnis with Quinine
COLEMAN'S Coca Wine with Quinine

The above Medicated Wines, with the exception of Wincarnis with Quinine and Coca Wine with Quinine, cannot be sold without a Foreign Wine Licence.

Under certain conditions Messrs. COLEMAN & CO., Limited, are prepared to Pay for a Foreign Wine Licence.

FOR PARTICULARS APPLY TO

MESSRS. COLEMAN & CO., LTD.
Wincarnis Works, NORWICH.

UNSURPASSED. WORLD FAMED

NATURAL RENNET POWDER.
FLUID EXTRACT OF RENNET.
CHEESE AND BUTTER COLOURINGS.

SOLE AGENTS FOR GREAT BRITAIN—
MÜLLER & CO., late H. SEEGER,
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Profitable Extras for Chemists.

TOBACCO, CIGARS, CIGARETTES.

AND TOBACCONISTS' FANCY GOODS.

All Packet Tobaccos, Cigarettes, and other Tobacconists' Proprietary goods supplied at Manufacturers' own List Prices. Every Smoker's Requisite and all Novelties—Up to Date—in one order.

MINIMUM OF TROUBLE—MAXIMUM OF PROFIT.

SEND FOR ILLUSTRATED PRICE LIST (200 PAGES), POST FREE.

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DR TIBBLES' VI-COCOA

THE WHOLESALE PRICE.

RETAIL PRICE.	PER DOZEN.
6d. Packets (Two Dozen in a box)	5/-
9d. Tins (Two Dozen in a box)	7/6
1/6 Tins (One Dozen in a box)	15/-

DISCOUNTS.

5 per cent. Discount on Orders up to £5.
7½ per cent. Discount on Orders for £5 and upwards.
Terms—Cash within 7 days.
Carriage Paid on Orders value £2 and upwards.

N.B.—The above Discounts are from 3¾ to 6¼ per cent. better than can be obtained from any other source, whilst the merits of **DR. TIBBLES' VI-COCOA** are far greater than any other similar preparation in the world.

LIMIT OF CUTTING.

The Proprietors hereby give notice to the Trade that the limit of "cutting" prices of **DR. TIBBLES' VI-COCOA** has been fixed as under:—

6d. Packets	to be sold at	not less	than	5½d.
9d. Tins	,, ,,	not less	,,	8½d.
1/6 Tins	,, ,,	not less	,,	1/4½

Full Prices to be obtained wherever possible.

FURTHERMORE,

Any Chemist, Grocer, or Stores cutting below these prices will be refused supplies direct from ourselves. And in this connection it is important to note that in £5 lots and upwards no trader in the kingdom, "Wholesale or Retail," can obtain more than the 7½ per cent. discount we offer.

Furthermore, as we pay carriage on orders value £2 and upwards, it will **not be possible to obtain the advantage of this concession, nor that of the exceptional discounts we offer, unless our ruling as to the "cutting" of price is complied with.**

Read the foregoing, send your order to

DR TIBBLES' VI-COCOA Ltd.,

60, 61, and 62 BUNHILL ROW, LONDON, E.C.

And obtain your fair share of the profits that are daily being made by our customers everywhere.

BURGOYNE'S

TRADE

MARK.

Cooked Standardised Malted

INFANTS' AND INVALIDS' FOOD

IN BULK.

Special Quotations for quantities.

Put up in tastefully decorated tins to retail at 1s., 8s. doz.

Customer's own Name and Address printed on 1 gross free of charge.

Burgoyne, Burbidges & Co.

12 & 16 Coleman Street, LONDON, E.C.

"LIVE, and LET LIVE."

THE FRAME FOOD CO., LTD., desire that all retailers should have a reasonable, living profit on the sale of "**Frame Food" Preparations.** To ensure this they have fixed minimum retail prices, below which they will not permit their goods to be sold. They also give no **graduated discounts** on large orders, but allow their **highest discount** on purchases of **£2** value and upwards, thus placing all retailers upon the same terms.

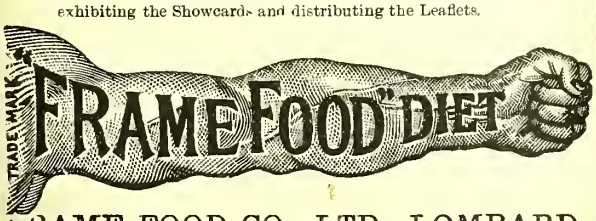
Goods sent carriage **forward.** No Packages charged or to return.

These terms ensure an average **Profit of over 30 per cent.** on goods sold at advertised prices, and of **20 per cent.** at minimum prices.

Write for Trade Terms and Anti-cutting Agreement.

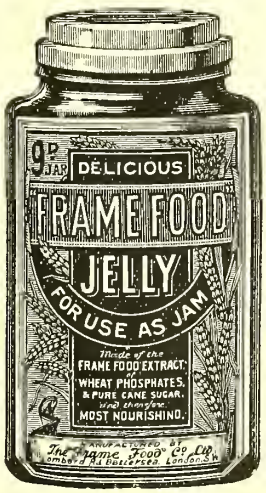
Satisfactory references or cash required from new customers.

An Attractive FRAMED SHOWCARD, and Leaflets with Retailer's printed Address (in red ink), sent Carriage Free on application—(MENTION THIS PAPER). The **Frame Food Co.** trust that retailers will show their appreciation of the Company's efforts to ensure them a reasonable profit on the sale of "Frame Food" Preparations, by exhibiting the Showcards and distributing the Leaflets.



New & Improved Package.

LARGER PROFIT TO RETAILERS.



THE FRAME FOOD CO. have adopted a new air-tight covered Jar for "Frame Food" Jelly, which will ensure its keeping any length of time. In fixing the Retail and Trade Prices of the new package, they have taken the opportunity of securing a larger margin of Profit to Retailers, who will find it to their advantage to recommend the Jelly to their customers.

The 1s. and 7d. sizes are now withdrawn.

"Frame Food" Jelly possesses the nutritive and digestible properties of Malt Extract, and is much cheaper and more palatable.

Advertised Retail Price, 9d.;

Minimum Retail Price, 8½d.

TRADE TERMS ON APPLICATION.

FRAME FOOD CO., LTD., LOMBARD RD., BATTERSEA, LONDON, S.W.

DIASTASED FARINA FOOD

A New and Very Superior Food for Infants, Delicate Children, and Invalids. The great desideratum of a Food for Infants, Delicate Children, and Invalids is easiness of digestion, simplicity of preparation, and power of restoring strength; for these purposes it is superior to any other Food.

RETAIL PRICE 1/6 PER TIN.

A totally unsolicited Report of a Medical Man's experience with the Diastased Farina Food.

YORKSHIRE, December 2 1896.

DEAR SIRS,—Since August I have been trying your "Food," and I am well satisfied with the result. Milk is the most perfect food, but when you have to reckon with a low type of stomach, or a poor class of milk, assimilation is imperfect, dyspepsia frequent. The addition of your "Food" prevents the latter and hurries the former. I have had admirable results in the treatment of Phthisis, Chlorosis, Gastric Ulcer, Atonic Dyspepsia, and Neurasthenia.

Manufacturers:—E. BEANES & CO., Hackney Wick, LONDON, E.

NESTLE'S

Condensed SWISS MILK.

THE RICHEST IN CREAM.

PERCENTAGE OF BUTTER FAT.

Six Samples of NESTLÉ'S MILK bought at random at six different shops, and analysed by Mr. OTTO HEHNER, late President of the Society of Public Analysts, contained AN AVERAGE OF

13·13 per Cent. of BUTTER FAT.

Sample Tins sent free to the Medical Profession on application to HENRI NESTLÉ, 48 Cannon Street, London, E.C

TRY IT IN YOUR BATH.

SCRUBB'S CLOUDY FLUID AMMONIA

MARVELLOUS PREPARATION.

Refreshing as a Turkish Bath.
Splendid Cleansing Preparation for the Hair.
Allays the Irritation caused by Mosquito Bites.
Restores the Colour to Carpets.
Of all Chemists, Etc.

Invaluable for Toilet Purposes.
Removes Stains and Grease Spots from Clothing.
Invigorating in Hot Climates.
Cleans Plate and Jewellery.
Price 1s. per Bottle.

SCRUBB & CO., 32b SOUTHWARK STREET, LONDON, S.E.

TO WHOLESALE AND EXPORT TRADES.

W. RANSOM & SON

(ESTABLISHED HALF A CENTURY),

MANUFACTURING PHARMACEUTICAL CHEMISTS,

Distillers of Essential Oils and Cultivators of Medicinal Plants,

HITCHIN, near LONDON.

SPECIALITIES:—

SOLID & LIQUID EXTRACTS.
EXPRESSED JUICES.
ESSENTIAL OIL OF LAVENDER.
ESSENTIAL OIL OF PEPPERMINT.
SCAMMONY RESIN.
JALAP RESIN.
ELATERIUM.
MERCURIAL PILL & OINTMENT.
ALOIN. | EUONYMIN.
LEPTANDRIN
DRIED MEDICINAL LEAVES.
ENGLISH DANDELION ROOT.

All Standardised Preparations of the British Pharmacopœia are tested and corrected by our Analyst before leaving the Laboratory.

International Exhibitions—London, 1862; Chicago, 1893. Prize Medals awarded for Pharmaceutical Extracts, Essential Oils, and Dried Herbs of Superior Quality. Also Award at the Paris Exhibition 1867.

BOORD & SON,

DISTILLERS, FOREIGN WINE AND SPIRIT MERCHANTS, AND METHYLATORS.
ALLHALLOWS' LANE AND BARTHOLOMEW CLOSE, LONDON, E.C.
Quotations for S.V.R. Methylated Spirit and Finish on application.
FINEST ORANGE WINE FOR QUININE.

JAMES BURROUGH, S.V.R. 65 o.p. 60 o.p.

CALE ST., CHELSEA, S.W.

and Methylated Spirit

AT LOWEST PRICES.

WRITE FOR QUOTATIONS.

PERFECTLY PURE. WRITE FOR OUR PRICES BEFORE ORDERING.

S 0/56 V 0/60 R

TINCTURE SPIRIT

60 O.P. AT LOWEST PRICES. 56 O.P.

PURE ORANGE WINE.

S 0/61 V 0/64 M

AT LOWEST PRICES.

Special Terms to Large Buyers.

PURE GINGER WINE.

FOREIGN WINE AND SPIRIT MERCHANTS.

SOLE PROPRIETORS OF THE FAMOUS "GLENALLAN" PURE MALT WHISKY
7 YEARS OLD. THE CREAM OF SCOTCH WHISKY. Per doz. 42/- Per doz.

WHOLESALE TRADE ONLY.

STAFFORD ALLEN & SONS

(ESTABLISHED 1833),

DRUG MILLERS, OIL PRESSERS,

AND

DISTILLERS OF ESSENTIAL OILS,

7 COWPER STREET, FINSBURY, LONDON, ENGLAND

EXPRESSED OILS

ALMOND (Ol. Amygd. Dulc.)
PEACH KERNEL (Ol. Amygd. Persic. Dulc.)
Frequently imported as Ol. Amygd. Exot.
CROTON

ESSENTIAL OILS

ALMOND	ANISEED	BUCHU	CARAWAY
CARDAMOM	CELERY	CINNAMON	CLOVE
CORIANDER	CUBEB	CUMMIN	DILL
JUNIPER	NUTMEG	ORRIS ROOT	PEACH KERNEL
PEPPER	PIMENTO		

SANDAL WOOD

AND OTHERS.

HIGHEST AWARDS CHICAGO, 1893, "FOR OILS OF EXCEPTIONAL PURITY AND STRENGTH."

GEORGE ALLEN & CO.

(ESTABLISHED 1846),

AMPTHILL, BEDFORDSHIRE, ENGLAND,

MANUFACTURING CHEMISTS,

Medicinal Herb Growers, Distillers, Manufacturers of

SOLID & FLUID EXTRACTS, JUICES, &c.

London Agents—STAFFORD ALLEN & SONS.

IN ANSWER TO INQUIRIES.

In consequence of the recent prosecutions under the Food and Drugs Act, Messrs. Beetham & Son have received inquiries from members of the Retail Trade as to whether they were perfectly safe in selling "BEETHAM'S GLYCERINE AND CUCUMBER," and whether Messrs. Beetham would guarantee the composition of their preparation to be as represented.

"BEETHAM'S'
GLYCERINE & CUCUMBER.

IS GUARANTEED TO CONTAIN

A good percentage of GLYCERINE and ESS. of CUCUMBERS (*nearly* 10 per cent. of each), so that Retailers may sell and recommend this preparation without any fear of trouble to themselves, and with the full knowledge that they are giving their customers what they really wish to obtain. THIS ARTICLE being on the PROTECTED LIST of the P.A.T.A., Messrs. Beetham & Son trust that the Retail Trade will show their kindly appreciation of the EXTRA PROFITS ENSURED, by selling "BEETHAM'S," when a preparation of Glycerine and Cucumber is asked for.

Show Cards, Handbills, and Dummies sent free on receipt of Business Card.

M. BEETHAM & SON, CHEMISTS, CHELTENHAM.

ST. PAUL'S BRAND
JUBILEE PERFUMES

1/- Ovals, ½-doz. in Box	Per doz.	7/-
1/- Squares, each in Fancy Box	"	8/-
1/6 Stoppered, each in Fancy Box	"	10/6
2/6 2 Stoppered Bottles, in Fancy Case ...	"	21/-

NEAT SHOW-CARD sent with each ½-doz.

FRANCIS NEWBERY & SONS,
1 & 3 KING EDWARD STREET,
LONDON, E.C.

24

GUARANTEED TO CONTAIN ARSENIC.

CORBYN, STACEY & CO.

Wholesale and Export Druggists,

300 HIGH HOLBORN.

Office and Postal Address:

22 GREAT ST. HELEN'S, LONDON, E.C.

MANUFACTURERS OF ALL

PHARMACEUTICAL PREPARATIONS.

ANALYTICAL CHEMISTS.

Orders for GELATINE COATED and all other Pills of our own make executed with dispatch.

In all Pills containing Extr. Coloc. Co. we use "Corbyn's."

DRUG List, PILL List, and PERFUME List on application.

Special Quotations for Large Quantities. Telegraphic Address—'Colocynth London"

SHADEINE.

For Colouring the Hair. Sold in 6 tints, one liquid

[COPYRIGHT]

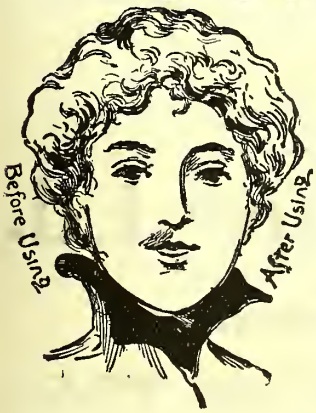
6*d*. Sample size ..	..	4/- per doz.
3/6 Large „ ..	..	28/- „
10/6 Extra „ ..	..	84/- „

SAMPLES Supplied to the Trade on pretty hanging Showcards at 4/- per doz.

☛ **This Popular Article is Largely Advertised, and kept at all Wholesale Houses**

Agents Wanted.

ALEXANDRE, 30 WESTBOURNE GROVE, LONDON.



The Best Hair Remover.

DEPILENE

Reaches the Root.

Removes superfluous hair without injury to the skin. Speedy and sure. No mixing. Dispenses with Electrolysis.

To be obtained, elegantly prepared, and packed free from observation, with directions, post free 4/3 per bottle, of

THE DEPILENE CO.

QUEEN'S FERRY, FLINTSHIRE,

Or of MARSHALL & CO.

30 Newgate St, London, E.C.

Special Terms to Chemists.

CARMICHAEL'S GENUINE

AMERICAN

MANICURE PREPARATIONS

A FULL 6d. LINE (miniature sizes of his regular Goods). You have only to show them, **THEIR SALE IS ASSURED**, and will be **AS GOOD** a line as his now **FAMOUS** Violet **AMULETS**, including the novel production "**AMBERLAVE**," a **FLUID TOILET SOAP**.

All at 48/- per gross.

FROM ALL WHOLESALE AND EXPORTING HOUSES

Nail Files, Emery Boards, Bleachine, Cleansing Powder, Orange Wood Sticks, Cosmetic Brush, Cosmetic Aurora, Agate Nail Powder, Oriental Nail Varnish, Suc de Mimosa, Cutl Cream, and Amberlave.

BRECKNELL'S PRIZE MEDAL.

Recommended by Eminent Medical Men.

SKIN SOAP.

Unscented, yet Sweet as a Rose.

Although low in price, it ranks with high-class soaps, and is altogether the best extant for producing a Clear and Healthy Skin.

☛ The longer it is kept the more it improves and increases in value.

LIBERAL TERMS TO THE TRADE.

BRECKNELL, TURNER & SONS, LIMITED

To Her Majesty, &c., &c.

31 HAYMARKET, LONDON.

ESTABLISHED 1862.

Look to your Stock

OF

Maypole

Soap

Or you will lose sales.

We are firing another volley of Special Advertisements this week.

The Maypole Compy., Ld.

98 and 99 High Holborn,

Telegrams: "SOAPROOT LONDON." **LONDON, W.C.**

MESSRS. D. & W. GIBBS, LD.

CITY SOAP WORKS,

LONDON.

Offices and Showrooms:

16 FINSBURY CIRCUS.

D G W

Trade Mark. Registered.

THE ORIGINAL SUPERFATTED AND FAMOUS

COLD CREAM SOAP

"Otto,"
"Toilet,"
"Medicated."

Wrapped and Cartooned in 1 dozen or ¼ dozen Boxes.

This Soap is delicately Perfumed, and made with the utmost care from the finest materials only, and a Certificate of Purity is given with each tablet. The above are protected by our Registered Trade Mark given above, and every wrapper bears this, so that customers are warned against worthless imitations.

COLD CREAM SHAVING SOAP

Messrs. GIBBS have at last succeeded in giving their customers a Shaving Soap which is far ahead of anything yet produced.

UNRIVALLED

'OVALINE'

UNRIVALLED

UNDER THE P.A.T.A.

THE ONLY SOAP PREPARED WITH YOLK of EGG.

7/6 FOR | *A Profit of* **33%** *A Profit of* | **36** TABLETS.

"CHEMIST AND DRUGGIST" says:

"One of the NICEST SOAPS which have been introduced within recent years, and one differing in COMPOSITION FROM ALL NOW ON THE MARKET. The name obviously suggests eggs, and eggs suggested the soap. The SOAP IS WELL MADE, NEUTRAL, DELIGHTFULLY SCENTED, and, while being refreshing in use, gives to the SKIN THAT WARM AND SOFT FEELING indicative of a good circulation. The same soap basis is used for all, scent and size determining the prices."

Send for Sample Boxes and Prices. *Show Cards and Pamphlets freely distributed.*

PEACOCK'S OVALINE SOAP CO., LTD., 145 QUEEN VICTORIA STREET, LONDON, E.C.

A LEADING LINE—ALWAYS IN DEMAND!

M. BEETHAM & SON

Beg to announce that in order to insure a fair profit to the Retail Trade, and to endeavour to do their part in the effort now being made to put an end to the suicidal system of "Cutting" so prevalent in the Trade, they have decided from October 20th to fix minimum prices at which their Glycerine and Cucumber, Hair Grower, &c., &c., shall in future be sold.

M. BEETHAM & SON trust that their endeavour to give the Retailer larger profits will be reciprocated, and that he will in return help them to increased business by freely and ungrudgingly letting the public have the articles for which they ask. So shall the benefit be mutual, and not all on one side.

		Minimum Retail Price.	Minimum Wholesale Price.
Beetham's Glycerine & Cucumber	1/-	10½d. each	8/6 doz.
" " "	1/9	1/7 "	15/- "
" " "	2/6	2/3 "	20/6 "
" " "	4/6	4/- "	38/6 "
" **Capillary Fluid & Hair Grower** .	2/6	2/3 "	20/6 "
" " " " " .	4/6	4/- "	38/6 "
" **Corn Plaster**	1/1½	1/- "	9/6 "
" " "	2/9	2/6 "	24/- "

£5 Lots single or assorted Goods, 5 % discount for CASH WITH ORDER.

Show Cards, Handbills with name on, and Window Dummies supplied free on receipt of Business Card by

M. BEETHAM & SON, CHELTENHAM.

All cases of "Cutting" should be reported to the SECRETARY, P.A.T.A., 2 Stonecutter Street, E.C.

THE ROYAL PERFUME.

Prepared by the Proprietors of

"PHŪL-NĀNĀ"

The New Indian Perfume.

AN UNDYING FRAGRANCE.

Distilled by the Proprietors of

"HASU-NO-HANA"

The New "Japanese" Perfume.

Of all Chemists and Perfumers throughout the Empire.

"Sells Like Ripe Cherries."

GRANT'S

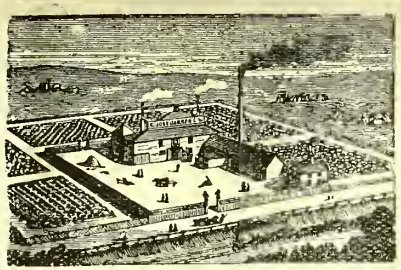
VIOLETTE DE PARME

The Sweetest of Sweet Perfumes.

All the Rage, and undoubtedly the Hit of the Season. Write for Quotations.

SOLE WHOLESALE AGENTS—

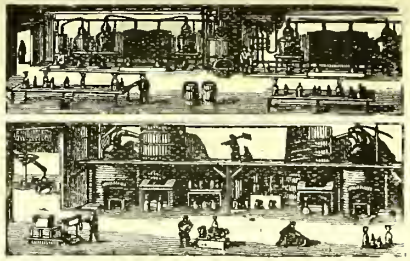
F. SCHUTZE & CO., 36a Aldersgate Street, LONDON, E.C.



JOHN JAKSON & CO.

Growers and Distillers of PEPPERMINT, LAVENDER, CAMOMILE, &c.

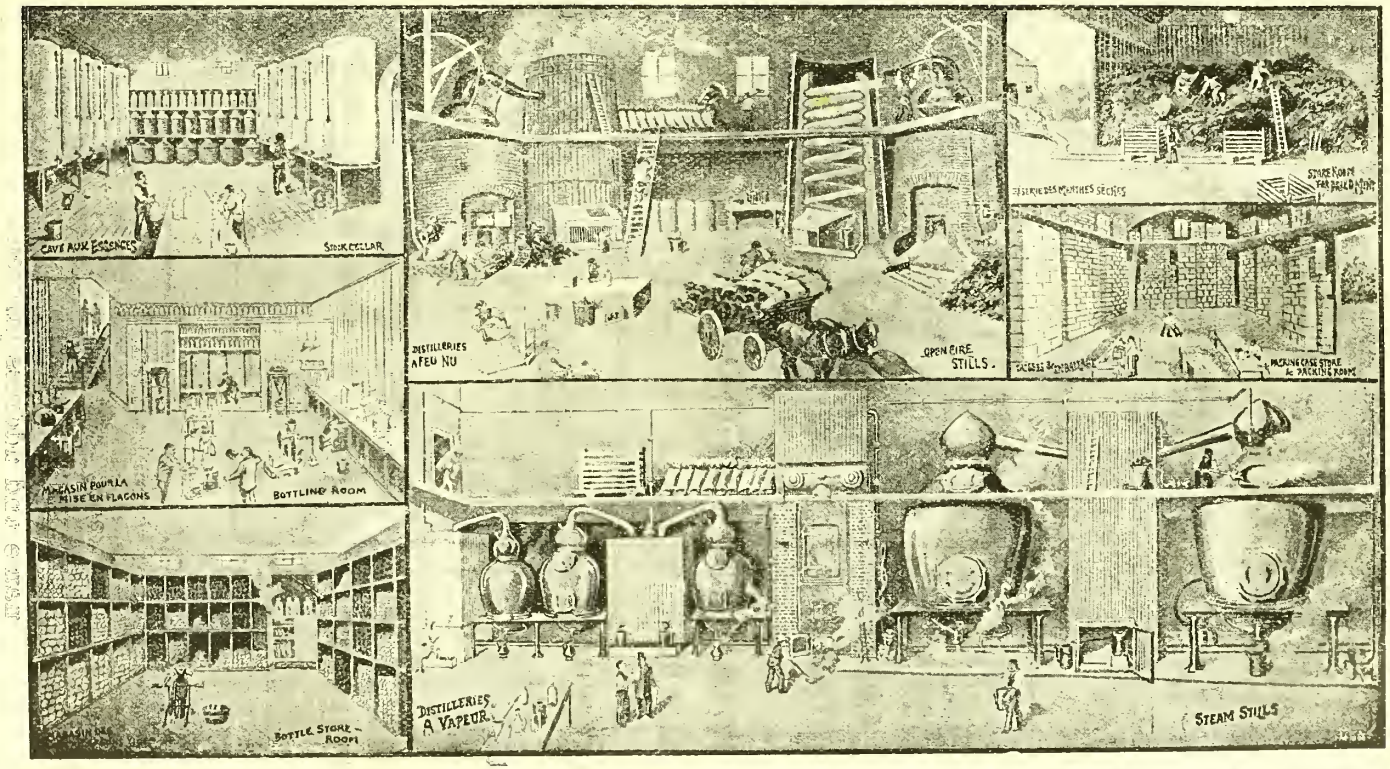
Mitcham Road Steam Distilleries, CROYDON (Surrey). 17 Philpot Lane, Fenchurch Street, LONDON, E.C. Depot—4 Rue Payenne, PARIS.



HIGHEST AWARDS AT PRINCIPAL EXHIBITIONS. 6 Gold, Silver, and other Medals awarded—Milan, 1880; Paris, 1885; Liverpool, 1886; Paris, 1889; Antwerp, 1885; London, 1890; Lyons Universal Exhibition, 1894 "Hors Concours" Member of Jury.

BLOOMSBURY SQUARE, LONDON, *9th January*, 1886.

Having visited the cultivation grounds and distilleries of Messrs. John Jakson & Co. at Mitcham, devoted to the production of lavender, peppermint, and other essential oils, and having submitted samples of the lavender and peppermint oils prepared by this firm to a careful physical and chemical examination, I can bear testimony to the very complete arrangements, with all modern appliances, which are here provided for distilling essential oils, and to the excellent quality of the oils so distilled.



Mitcham has been renowned throughout this and part of the previous century for the successful cultivation of peppermint, lavender, and other medicinal plants from which oils of superior quality have always been produced, but at no previous period have the means for obtaining products of the highest quality been so successfully carried out as they have been since the introduction of Messrs. Jakson's system.

T. REDWOOD, Ph.D., F.I.C., F.C.S., &c.
Emeritus Professor of Chemistry and Pharmacy to the Pharmaceutical Society of Great Britain.

The only firm in England occupied solely in the Cultivation & Distillation of **PEPPERMINT, LAVENDER, CAMOMILE, ROSEMARY, & PENNYROYAL OILS**

TWO DISTILLERIES—STEAM AND OPEN FIRE. Farms & Cultures—MITCHAM, WALLINGTON, BEDDINGTON, CARSHALTON.

All Oils bearing our Trade Mark are guaranteed Pure and Genuine.

HAS THE HIGHEST HONOURS

AND

LARGEST SALE IN THE WORLD

OF ANY PREPARATION FOR THE HAIR.

THE GREAT HAIR PRODUCER AND RESTORER.

SPECIALLY PREPARED AND PERFUMED FOR TOILET USE.

FRAGRANT AND REFRESHING.

EDWARDS'

"HARLENE"

FOR THE HAIR.

PRICE LIST.

No. 1 size,	Retail,	1/-;	Wholesale,	11/-	per dozen.
„ 2 „	„	2/6;	„	27/3	„
„ 3 „	„	4/6;	„	47/-	„

Full discount of 20 per cent. off the trade prices to all buyers of £5 and upwards.

TERMS—Monthly Accounts Prompt.

THE WORLD-RENOWNED REMEDY FOR BALDNESS.

UNEQUALLED FOR PROMOTING THE GROWTH OF THE HAIR.

IT IS WITHOUT A RIVAL.

New and handsomely framed Show Card in Twenty Colours (size 24 by 16) now ready, and will be forwarded free of charge to all retailers of our "HARLENE," together with 1,000 Counter Bills with seller's name and address printed at foot, on application. [1]

EDWARDS' "HARLENE" COMPANY, 95 & 96 High Holborn, LONDON, W.C.

MAKE YOUR OWN MINERAL WATERS.

See Pages 442 and 443, *Chemist and Druggist* Diary, 1897.

A great many Chemists, Hospitals, &c., are using this simple and most effective Plant, and producing splendid Aërated Waters.

SUPPLIED ONLY BY

THE VOLCANIC AERATION CO., 203 Great College Street, LONDON, N.W.

J. G. CHAPMAN, Proprietor.

£56,286,000

Was the value of Australasia's imports during 1896, exclusive of Western Australia, whose returns are incomplete. 1897 promises to be **a record year** for Antipodean trade, and we invite manufacturers, merchants, and, in fact, all who are desirous of doing a Colonial business, to read and advertise in our Australian publication (THE CHEMIST AND DRUGGIST OF AUSTRALASIA). The subscription is only 5*s.* per annum, post-free. Send for a specimen copy to

42 CANNON ST., LONDON, E.C.

FOR INFANTS AND INVALIDS.

KYDDE'S FOOD

IS UNEQUALLED.

KYDDE & CO.

10 SOUTHWARK BRIDGE ROAD, LONDON, S.E.

LOOK AHEAD.

WHEN YOU ARE PRODUCING A PRICE LIST OR CIRCULAR

See that your Printer has the size of "THE CHEMIST AND DRUGGIST" page. Printed Matter 9 inches deep by 6¼ wide.

Does it pay a busy man to spend his time making up a doubtful selection of names from directories ?

Does it pay to draw names from directories at all, remembering that they are not special lists of buyers of your manufactures, but merely general address registers ?

Does it pay to have any considerable proportion of your circulars returned undelivered in consequence of above ?

Does it pay to lay out 50 per cent. more in postage alone than you need ?

Does it pay to incur the additional cost of wrappers and expense of addressing when these charges are unnecessary ?

Does it pay to employ your clerical staff on the work of despatching circulars when this, and the attending disorganisation of your office, can be avoided ?

DOES IT PAY TO DO ANY OF THESE THINGS WHEN TIME AND MONEY CAN BE SAVED AND INCREASED EFFICIENCY BE ASSURED BY NOT DOING THEM ?

NO

YES

It pays to produce circulars the same size as "THE CHEMIST AND DRUGGIST" because the Winter and Summer Issues are distributed on the best selection of Members of the Trade.

It pays because the charges for distribution of circulars bound in these issues are approximately but one-third of the postage only of a distribution of your own.

It pays because there is positively no waste of circulars, none being returned through the post.

It pays because it is known absolutely that all recipients of these issues are buyers.

It pays because your circulars reach buyers, not as isolated and unrecommended printed matter, but under the attractive cover of a publication recommended by 37 years of unexampled utility.

The SUMMER NUMBER will be published on the 31st July, 1897.

FOR FURTHER PARTICULARS ADDRESS THE PUBLISHER OF

"THE CHEMIST AND DRUGGIST," 42 CANNON STREET, LONDON, E.C.

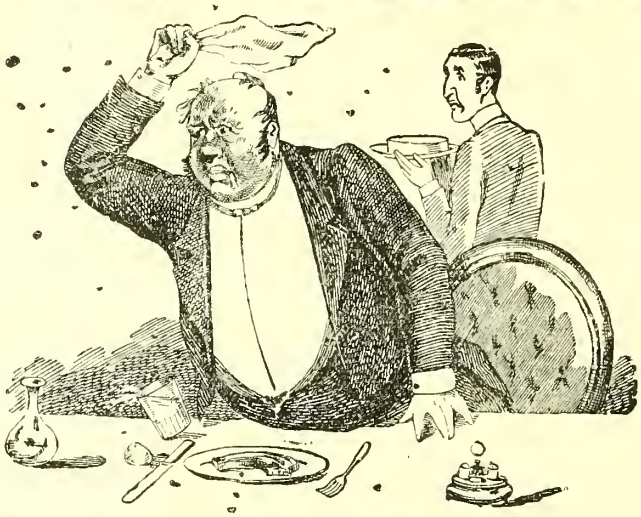
The ORIGINAL and by far the BEST Sticky Fly Paper in the Market.

THE "FLY CEMETERY"

Catches more flies in a day than the old-fashioned Papers do in a week.

Beware of the many spurious imitations in the Market, which for the most part disappoint the purchaser.

Retail Price One Penny.



Well known in every Household in the Kingdom.

Bears large Profit.

Sold by all the leading Wholesale Houses in the Trade.

Liberal Terms.

Retail Price One Penny.

Manufacturers—TUNBRIDGE & WRIGHT, READING.

North of England Depot—4 Gallowgate, Newcastle-on-Tyne. Telegrams—"Flies Reading."

THE GREAT AND MARVELLOUS

INSECT DESTROYER.

Entirely different from any other Beetle or Flea Powder.

"VIKO" will kill Cockroaches.
"VIKO" will kill Moths.
"VIKO" will kill Fleas.
"VIKO" will kill Bugs.
"VIKO" will kill Mosquitoes.
"VIKO" will kill Ants.
"VIKO" will kill all Insects.
"VIKO" will *not* kill Dogs.
"VIKO" will *not* kill Cats.

REGISTERED.

"VIKO" as a preventive against Moth is unrivalled. It has no equal. If sprinkled amongst Furs and Clothes instantly destroys any existing Insect Life, and ensures perfect freedom from a return of the pest.

Its effect upon Insect Life is simply marvellous.

Sold in 3d., 6d., & 1s Tins.

SOLE PROPRIETORS—

TUNBRIDGE & WRIGHT, READING.

Manufacturers of the "World-Famed FLY CEMETERY."

DEALERS IN PATENT MEDICINES

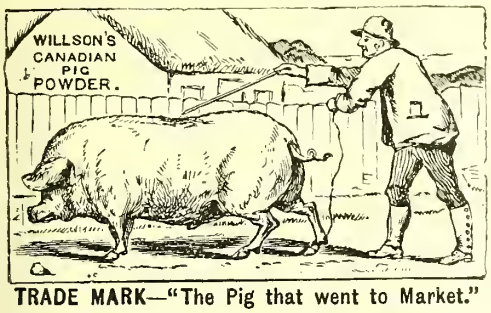
Should always stock this preparation, which has the largest sale of any Smelling Bottle in the world.

It is well advertised, sells at sight, and bears a good profit.

Sent out in Fancy Cardboard Cases containing half a dozen Bottles.

Showcards and Handbills from

MACKENZIE'S CURE DEPOT, READING.



TRADE MARK—"The Pig that went to Market."

WILLSON'S

CANADIAN PIG POWDERS

HAVE THE LARGEST SALE.

They CURE and PREVENT all the DISEASES of PIGS,

KEEP THEM HEALTHY AND THRIVING.

Are the only Pig Powders exhibited at ELEVEN Consecutive Royals.

Hold testimonials from the most successful Breeders and Prize Winners in the World—viz., Mr. Sanders Spencer, Mr. Alfred Darby, Mr. Pettit, Mr. Arthur S. Gibson, Mr. Buss, Mr. Barnes, &c., &c.

STOCKED BY WHOLESALE HOUSES.

Sold Retail in sealed packets at 6d., 1/-, 2/6, and 8/-

SOLE MANUFACTURER—

STEPHEN WILLSON, Peterborough, ENGLAND

CORRESPONDENCE INVITED.

THE

FLYODOOMO

FLY STICKERS

Catch Flies and Hold Them.

They are the Cleanest, Stickiest, and Best Fly Papers in the Market.

Carefully rolled up so that the Composition cannot possibly get outside.

Large Buyers should write for Samples and Quotations.

½d. and **1d.** SIZES.

Sample Gross, Carriage Paid, on receipt of P.O. for **5/-**

Having fixed up new and improved machinery, the proprietor can execute all orders with celerity and dispatch.

AGENTS—
LONDON—Messrs. Sanger & Sons; Messrs. Barclay & Sons; W. Sutton & Co.
MANCHESTER — Messrs. Woolley, Sons & Co.
THIRSK—Mr. W. Foggitt.
YORK—Raimes & Co.
LIVERPOOL—John Thompson.

JOHN H. SMITH
NEWARK-ON-TRENT.

COPYRIGHT

5/- per gross, Carriage Paid. Cash must accompany order

Samples free, **CHRISTY STRONG, READING.**

WISE SAYINGS WITH A MODERN APPLICATION.

The hasty angler loses the fish, but Buchan's Enticer is a sure catch in "FLIES."

BUY THEREFORE

THE PERFUMED STICKY FLY

1D. ENTICER. 1D.

Fly Enticer Gum.

Tins 2d. each.

The Surest and Best Fly Catcher.

TRADE MARK (Registered).

Death Jam.

Kills Wasps, Mosquitoes.

Tins, 6d., 1/-, and 2/6.

Most Alluring and very Sticky.

Send for Samples NOW, Post Free.

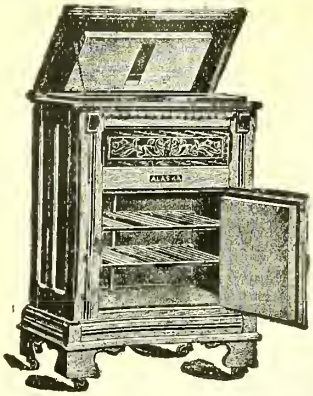
To be obtained from the principal Drug and Sundries Houses, or from the Manufacturer—

D. D. BUCHAN, FRIOCKHEIM, N.B.

Telegrams—"BUCHAN FRIOCKHEIM."

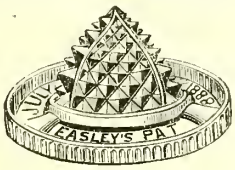
Sole Export Agents—BURGOYNE, BURBIDGES & CO., 16 Coleman Street, London, E.C.

"ALASKA" REFRIGERATORS



ARE THE MOST ECONOMICAL IN ICE.
Please write for 1897 *list.*

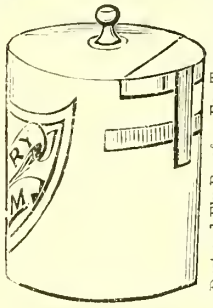
"EASLEY" SQUEEZERS.



Neatly packed in subdivided card counter boxes of one dozen. No other will compare with these.

No other will compare with these.
1/9 per dozen, or 20/- per gross.

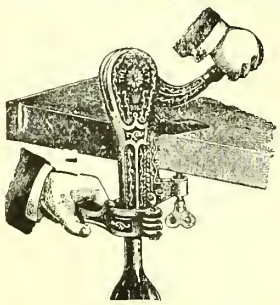
MOCKLER'S MOVABLE COVERS



Dust and Fly Proof. For Teacups, Tumblers, and Jugs, Glass and Stone Jam Pots and Preserve Jars.
Plated on White Metal—

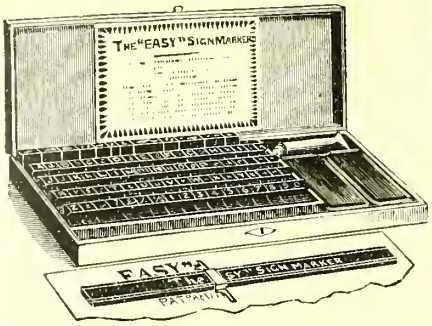
Nos.	1	2	3	4
Inches	2½	3½	4	4½
Per dozen ..	6/6	7/-	7/6	9/6
In White Metal, without knob—				
Per dozen ..	4/3	4/9	5/3	6/3

"SAFETY" CORK-PULLER.



Quick! Safe! Sure! Easy!
Has a perfect bottle-holding attachment.
Nothing to get out of order.
PRICE, Each 12/-
Extra Screws, per doz., 6/-.

THE "EASY" SIGN MARKER.



Will save you pounds a year in Ticket Writing.
Write for Booklet giving sizes of Type, &c.

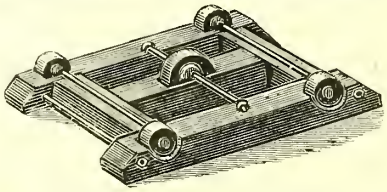
TOILET PAPER

A SPECIAL LINE.

20/- PER CASE — OF — 1 GROSS.

TOILET PAPER

"SAMSON" WAREHOUSE TRUCK.



A Cheap, Simple, Strong and Efficient means of removing Heavy Loads from place to place.

By the adaptation of the Centre Rotating Wheels, the Load is readily run and steered into any desired position.

Carrying Capacity.	Measurement.	Price each.
No. 1. 50 cwt. ..	36 in. by 24 in. ..	30/-
„ 2. 30 cwt. ..	22 in. by 16 in. ..	14/-
„ 3. 10 cwt.	27 in. by 16 in. ..	6/-

Nos. 1 and 2 on heavy Iron Wheels, the centre one rotating. No. 3 fitted with strong Wooden Rollers, with centre rotating roller, for light bulky goods.

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Large size	„	9/-
Extra Large size	„	17/-
Decanters..	„	10/-

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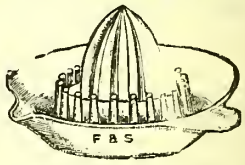

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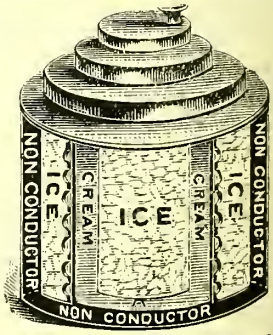

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Bratby & Hinchliffe, Lim.
Chemists' Aerated Waters Association, Lim.
Ellis & Son (Ruthin)
Geneva Springs (New York)
Hertz & Collingwood
Hunyadi János
Idris & Co., Ld.
Ingram & Royle, Lim.
Kinmond & Co.
Macfarlan, J. F., & Co.
Mills & Co. (Bourne)
Ross, W. A., & Sons, Lim.
Sallyco Water Co.
Seltzogene Patent Charges Co.

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(See SYPHONS and ESSENCES)
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Bratby & Hinchliffe, Lim.
Tyler, Hayward, & Co.
Volcanic Aeration Co.

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Peake, Allen & Co.
Taylor & Colledge

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Smith, T. & H., & Co.

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Woolley, Sons & Co.

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Berend, O., & Co.
Woolley, J., Sons & Co.

ASTHMA CURE
Potter & Clarke

BAKING POWDER
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Solport Bros.
Wood, Vincent

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Kemp & Son
Leonhard, T.
Lüneburger Wachsbleiche

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Howards & Sons
May & Baker, Lim.

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Hewlett & Sons
Howards & Sons
May & Baker, Lim.
Tyrer, T., & Co.
White, Alfred, & Sons

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Squire's "Companion"
Whittaker & Co.

BORAX
Howards & Sons

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Ayrton & Saunders
Evans, Sons & Co.
Kent, G. B., & Son
Kilner Bros.
Patent Stopper, Box, and Stamping Co., Lim. (Tin)
Robinson & Sons
Tinplate Decorating Co.

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Barnett & Foster
Barrett, R. H.
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Breffits, Lim.
Gilbertson, H., & Sons
Hearn, Wright & Co.
Isaacs & Co.
Kilner Bros.
Lynch & Co., Lim.
Maw, S., Son & Thompson
Poths, H., & Co.
Stipendum Stopper Co., Lim.
Toogood, W. | Youldon, E
Volcanic Aeration Co.
York Glass Co., Lim.

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Evans, Sons & Co.
Hovenden & Sons
Kent, G. B., & Sons

BUNSEN BURNRS
Berend & Co.

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Boulton, J., & Co., Lim.
Müller & Co.
Tomlinson & Hayward

CACHETS
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Cooper & Co.
Sangers, J., & Sons

CACHOUS
Bleasdale & Co.
Jackson, T.
Lloyd, T. H., & Co.
Raimes & Co. | Sen-Sen Co.
Warrick Bros.

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May & Baker, Lim.

CSCRA SAGRADA
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Duncan, Flockhart & Co.
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Ferris & Co.
Harker, Stagg & Morgan
Moss, J., & Co.
Parke, Davis & Co.

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Duncan, Flockhart & Co.
Evans, Lescher & Webb
Hooper, B., & Co.
Lloyd, T. Howard, & Co.
Lofthouse & Saltmer
Warrick Bros.

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Stevenson, H. E., & Co.

CRBNIC ACID GAS
Carbonic Acid Gas Co.

CASTOR OIL
United British Castor Oil Co. Lim.

CERESINE WAX
Boehm, Fredk.

CHALK, PRECIP.
Levermore, Aug., & Co.

CHEMICALS
Boehm, Fredk.
Boehringer, C. F., & Sohne
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Brunner, Mond & Co., Lim.
Davy, Hill & Son, Yates & Hicks
Evans, Lescher & Webb
Evans, Sons & Co.
Farbenfabriken (Bayer & Co.)
Goodall, Backhouse & Co.
Graf, F.
Howards & Sons (Pharm.)
Kirkpatrick, Barr & Guthrie
Lofthouse & Saltmer
Macfarlan, J. F., & Co.
May & Baker, Lim.
Moss & Co.
Oppenheimer, Son & Co.
Poppelreuter, W.
Sanitas Co., Lim.
Scottish Acid & Alkali Co., Ld.
Smith, T. & H., & Co.
Stevenson, H. E., & Co.
Tyrer, T., & Co.
Washington Chemical Co.
White, A., & Sons
Zimmermann A. & M.

CHECK TILLS
O'Brien, T.
Stokes, G. R., & Co., Lim.

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Newbery, F., & Sons
Schutze & Co.
Solport Bros.
Wood, Vincent

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Government Sanitary Co.
Hebden, W. C.
National Chemical Co.
Steele, J. C., & Co.

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Davenport (Browne's)

CHLOROFORM
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Macfarlan, J. F., & Co.
Smith, T. & H., & Co.

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Graf, F.

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Howards & Sons

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Harker, Stagg & Morgan
Holloway, E. A.
Kemp & Son
Lorimor & Co.
Stephen Smith & Co. (Hall's
White, S. B.
Wilcox & Co.

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Caffyn's Malto-Carnis
Fry & Sons
Van Houten'
Vi-Cocoa (Dr. Tibbles)

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Davies, Gibbins & Co.
Evans, Lescher & Webb
Evans, Sons & Co.
Harker, Stagg & Morgan
Hill, A. S., & Son
Kemp & Son
Lofthouse & Saltmer
Lorimer & Co.
Moss, J., & Co
Morrison, R., & Co.
Oppenheimer, Son & Co., Lim
Smith, T. & H., & Co.
Spratt's Patent (Dog Cakes)
Scott's Emulsion
Southall, Bros. & Barclay
Stevenson, H. E., & Co.
Wright, Layman & Umney

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Davies, Gibbins & Co.
Hooper, B., & Co. | Leo & Co.
Lloyd, T. Howard, & Co.
Parke, Davis & Co.

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Davies, Gibbins & Co.
Fletcher, Fletcher & Co.
Lloyd, T. Howard, & Co.
Oppenheimer, Son & Co.

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Ringrose & Cobb

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Gardner, C. | Potter & Clarke

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Robinson & Sons (Absorbent)

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Evans, Gadd & Co.
Mumford, G. S.

CYDER
Symons, J., & Co., Lim.

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Rothschild & Baker

DENTIFRICES, &c.
Beecham, T.
Bronnley, H., & Co.
Hovenden & Sons
Jowsbury & Brown
Stevens, P. A.
Sutton, O., & Co.
Woods, W. (Areca Nut)
Wright, Chas., & Co., Lim.

DENTISTRY
Browning, A. J.
Fentiman, A. G.
Fentiman & Co.

"DIMATOS"
Southall Bros. & Barclay

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Calvert, F. C., & Co.
Dussek Bros.
Fletcher Bros. & Co.
Government Sanitary Co.
Granville, A., & Co.
Hebden, W. C. | "Izal"
Jeyes' Sanitary Compounds Co.
Kay Bros., Lim.
Kühn, B. (Chinosol. Kresochine)
Mackey, Mackey & Co.
May & Baker, Lim.
National Chemical Co.
Ness & Co.
Read, Holiday & Co.
Sanitas Co., Lim.
Steele, J. C., & Co.
Tuson's Disinfectants Co., Ld.
Tyrer, T., & Co.

DOG MEDICINES
Lloyd, T. Howard
Spratt's Patent, Lim.

DRUGGISTS' SUN.
Ayrton & Saunders
Barclay & Sons, Lim.
Bentley, E., & Son
Bleasdale & Co., Lim.
Dailley & Wilkinson
Cartwright, A. S.
Evans, Lescher & Webb
Evans, Sons & Co. (Savars)
Fordham, W. B., & Sons, Lim.
Hovenden & Sons
Kay Bros., Lim.
Marshalls, Lim.
Maw, S., Son & Thompson
May, Roberts & Co.
Moise, B. F., Lim.
Newbery, F., & Sons
Potter & Sacker
Quelch, H. C.
Sanger & Sons | Schutze & Co.
Southall Bros. & Barclay
Tidman & Son | Toogood, W.
Wood, Vincent

DRUGS
Allen, S., & Sons (Grinders)
Beynon & Co.
Bleasdale & Co., Lim.
Davies, Gibbins & Co.
Dieterich, Eugen
Kuhn, B.
Lofthouse & Saltmer
Oppenheimer, Son & Co.
Phillips & Co. [(Grinders)
Poppelreuter, W.
Stevenson, H. E., & Co.

DYES
Ayrton & Saunders
Maypole Soap Co., Lim.

EAU DE COLOGNE
Farina, J. M.
Greiner, G., & Co.
Muhlens, F.
Van Oppen & Co.

ECZEMA
Cullwick's Specialities

EMBROCATIONS
Bow's Liniment
Day & Sons
Elliman, Sons & Co.
Harvey & Co.
Tuson's Disinfectants Co., Ld.

ENEMAS
British-American Ball Nozzle
Evaus, Sons & Co. [Co.
Lynch & Co., Lim.
Sanger & Son | Wood, Vincent

ENGRAVERS
Corsan, J. R.

ESSENCES
Boulton, J., & Co., Lim.
Bovril, Lim. (Beef)
Brathy & Hinchliffe, Lim.
Bush, W. J., & Co.
Delbanco & Co.
Fletcher, Fletcher & Co.
Goodall, Backhouse & Co.
May & Baker, Lim.
Newball & Mason
Stevenson & Howell
Todd, A. M.
Tyrer, P. (Anchovies)
Woolley, Sons & Co.

ESSENTIAL OILS
Allen, S., & Sons
Blackwell, Hayes & Spilsbury
Boehm, Fredk.
Bush, W. J., & Co.
Delbanco & Co.
Evans, Sons & Co.
Frankenstein, S. M., & Co.
Jakson, J., & Co.
Jeancard, Gazan & Doumin
Lofthouse & Saltmer
May & Baker, Lim.
Poppelreuter, W.
Ransom, Wm., & Sons
Raynaud, Claude, & Co.
Sanitas Co., Lim.
Sozio & Andrioli
Stevenson, H. E., & Co.
Stovenson & Howell
Todd, A. M.
Treatt, R. C. | Warrick Bros.
Wright, Layman & Umney

ETHER
Duncan, Flockhart & Co.
Howards & Sons
Macfarlan, J. F., & Co.
May & Baker, Lim.
Robbins, J., & Co.
Tyrer, T., & Co.
White, A., & Sons
Woolley, Sons & Co.
Wright, Layman & Umney

EUCALYPTUS OIL
Drysdale, J. W., & Co.
Sanitas Co., Lim.
Tasmanian Eucalyptus Oil Co.

EXTRCTS, FLUID
Allen & Hanburys
Allen, G., & Co.
Bleasdale & Co., Lim
Burgoyne, Burbidges & Co
Davies, Gibbins & Co.
Evans, Sons & Co.
Fletcher, Fletcher & Co.
Hearon, Squire & Francis
Hooper, B., & Co.
Lloyd, T. Howard, & Co.
Moss & Co.
Parke, Davis & Co.
Potter & Clarke
Ransom, W., & Son
Wright, Layman & Umney

EXTRACT MEAT
Armour & Co. | Brand & Co.
Liebig Co. | Liquor Carnis Co.

EXTRACTS, SOLID
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Ransom, W., & Son

FEEDG BOTTLES
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Evans, Sons & Co.
Gilbertson, H., & Sons
Hearn, Wright & Co.
Hovenden & Sons
Kilner Bros.
Lynch & Co Lim.
Marriott, E., & Co.
Maw, S., Son & Thompson
May, Roberts & Co.
Shirley Bros. | Youldon, E.

FILTERS
Berkfield Filter Co., Lim.
Mawson Filter Co.

FLY CATCHERS
Bleasdale, Lim.
Buchan, D. D.
Ford, Shapland & Co.
Marshalls, Lim.
Maw, S., Son & Thompson
Strong, Christy
Tunbridge & Wright

FOOD (Infants' & Invalids')
Allen & Hanburys
Beanes & Co.
Benger's Food
Brand & Co.
Frame Food Co., Lim.
Goodall, Backhouse & Co.
Hawksley, T. (Steriliser)
Horlick & Co.
Kydde & Co.
Lazenby & Son, Lim.
Liquor Carnis Co.
Liebig Co. | Lorimer & Co.
Mellin's Food | Nestlé, H.
Savory & Moore
Tyrer, P.
Vi-Cocoa (Dr. Tibbles)

GELATINES
Boehm, F.

GINGER ALE
Bratby & Hinchliffe, Lim.
Chemists' Aerated & Mineral Water Association, Lim.
Ellis & Son | Hay, W., Lim.
Mills, R. M., & Co.

GLYCERINE
Boehm, F. | Fink & Co.
Price's Candle Co., Lim.

GRANULAR PREP.
Bishop, A., & Sons
Boulton, J., & Co.
Davies, Gibbins & Co.
Evans, Gadd & Co.
Evans, Sons & Co.
Hearon, Squire & Francis
Lloyd, T. Howard & Co.
Lofthouse & Saltmer
Tyrer, T., & Co.
Wright, Layman & Umney

GUM
Fink & Co. (Arabic, &o.)
Graf, F.

HAIR PREP.
Alexandre's Shadeine
Chesebrough Co.
Depilene Co.
Edwards & Co.
Thiellay, E. H.
Truefitt, H. P., Lim.

HERB BEER EXTS.
Adams, B.
Newball & Mason
Potter & Clarke

HOMŒOPATHIC
Leath & Ross
Watson & Wates

HONEY
White, G., & Sons

HYPOPHOSPHTES
Duncan, Flockhart & Co.
Fellows
Fletcher, Fletcher & Co.
Tyrer, T., & Co.

INHALERS
Burroughs, Wellcome & Co.
Krohne & Sesemann
Lynch & Co., Lim.
Sanitas Co., Lim.

INSECTICIDES
Barclay & Sous, Lim.
Bleasdale, Lim. Jackson, T.
Rudkin's Moth Bricks
Sanitas Co., Lim.
Tunbridge & Wright

JELLOIDS
Warrick Bros.

KETCHUP
Tyrer, P.

LARD
Ewen, J., & Sons

LAVENDR WATR
Jakson, J., & Co.

LINT
Burgoyne, Burbidges & Co.
Christy, T., & Co.
Liverpool Lint Co.
Maw, S., Son & Thompson
Newsome, C.
Robinson & Sons

LIQUORICE
Evans, Sons & Co. (Savarini)
Frankenstein, S. M., & Co.
Hillaby, J.
Lorimer & Co.
"Solazzi"

LIQUORS
Blackwell, Hayes & Spilsbury
Davies, Gibbins & Co.
Fletcher, Fletcher & Co.
Lloyd, T. Howard, & Co.
Moss, John, & Co.
Oppenheimer, Son & Co., Lim.
Stevenson, H. E., & Co.

LEECHES
Fitch & Nottingham

LOZENGES
Allen & Hanburys
Davies, Gibbins & Co.
Gibson, R., & Sons (Manfrs.)
Guest, T., & Co., Lim.
Lorimer & Co.
Raimes & Co.
Warrick Bros.

LUNGPRESERVRS
Zimmer & Co.

MACHINERY
Bennett, Sons & Shears, Lim.
Gardner, W., & Sons
Melin, C. | Pindar, J. W.
Volcanic Aeration Co.
Werner, Pfleiderer & Perkins, Lim.

MAGNESIA
Bleasdale, W., & Co.
Davies, Gibbins & Co.
Evans, Gadd & Co.
Evans, Sons & Co.
Henry, T. & W. (Calcined)
Lloyd, T. Howard, & Co.
Washington Chemical Co.

MALT EXTRCT, &c
Allen & Hanburys
Anderson & Co.
Blackwell, Hayes & Spilsbury
Burroughs, Wellcome & Co. (Kepler's)
Davies, Gibbins & Co.
Distillers' Co., Lim.
Evans, Gadd & Co.
English Diastasic Malt Extract Co., Lim.
Hearon, Squire & Francis
Lorimer & Co. | Moss, J., & Co.
Oppenheimer, Son & Co., Lim
Parke, Davis & Co.
Raimes & Co.
Raimes, Clark & Co.
Robinson & Co.

MARKING INKS
Bond (Daughter of the late John (Ink and Pencils)

MEDICINE CHSTS
Burroughs, Wellcome & Co.
Day, Son & Hewitt (Veterinary)
Day & Sons (Veterinary)

MENTHOL
Ayrton & Saunders
Evans, Lescher & Webb
Maw, S., Son & Thompson
Shirley Bros. | Tyrer, P.

MERCURIALS
Howards & Sons
May & Baker, Lim.
Tyrer, T., & Co.

METH. SPIRTS, &c.
Boord & Son | Burrough, J.
Jones & Co. | Phillips, G., & Co.
Smith, S., & Co.
Warren, A. & J.

METHYLENE
Robbins, J., & Co.

MICROSCOPES
Darton, F., & Co.

MILK
Hawkesley, T. (Sterilize
Horlick & Co.
Nestlé, H. (Condensed)

MORPHIA
Beynon & Co.
Macfarlan, J. F., & Co.
Smith, T. & H., & Co.

OILS, &c.
Anglo American Drug Co.
Calvert Bros. & Co.
Hooper, B., & Co. (Sandal Wood)

OINTMENT BASES, &c.
Burroughs, Wellcome & Co. (Lanoline)
Chesebrough Co. (Vaselline)
Davies, Gibbins & Co.
Lloyd, T. Howard, & Co.
Stevenson, H. E., & Co.

OPTICIANS
Botwright & Grey
Darton, F., & Co.
Raphael, J., & Co.

OXIDE OF ZINC
Hubbuck, T., & Son, Lim.
Stevenson, H. E., & Co.

PALATINOIDS
Oppenheimer, Son & Co., Lim.

PASTILLES
Jackson, T.

PAT. MEDCNS, &c.
Auglo-American Drug Co., Ld.
Atkins' Lung Healer
Barclay & Sons, Lim.
Beecham, T. (Pills)
Bow's, Dr., Liniment
Clarke's Blood Mixture
"Daisy" Headache Powders
Edwards & Son
Evans, Lescher & Webb
Evans, Sons & Co.
Fassett & Johnson
Fenning (Powders)
Goodall, Backhouse & Co.
Guy's Tonic
Holloway (Pills and Oint.)
Hovenden & Sons
Lalor (Phosphodyne, &c.)
May, Roberts & Co.
Newbery, F., & Sons
Richards, J. M.
Roberts & Co.

PENS
Jewel Pen Co.

PEPSIN, &c.
Armour & Co.
Burroughs, Wellcome & Co.
Cerebos Limited (Pepsalia)
Kühn, B. (Papain Finkler)
Newbery, F., & Sons (Ingluvin)
Oppenheimer, Son & Co.
Parke, Davis & Co.
Stevenson, H. E., & Co.

PESSARIES
Rendell, W. J.

PERFUMERY, FANCY SOAPS
Barclay & Sons, Lim.
Bleasdale & Co.
Blondeau & Cie. | Boehm, F.
Brager, L.
Bristow, T. F., & Co.
Burgoyne, Burbidges & Co.
Burroughs, Wellcome & Co.
Bush, W. & J., & Co.
Carmichael, M. W.
Chesebrough Co.
Cook, E., & Co.
Coryn, Stacey & Co.
Evans, Gadd & Co.
Evans, Sons & Co.
Ewen, J., & Sons | Farina, J. M.
Frankenstein, S. M., & Co.
Grossmith, Son & Co.
Hovenden & Sons
Lanoline
Lynch & Co., Lim.
Moise, B. F., Lim.
Mulhens, F.
Newbery, F., & Sons (Berdoes)
Pears, A. & F., Lim.
Price's Patent Candle Co.
Sanitas Co., Lim.
Schutze, F., & Co.
Sharp Bros. Soap & Perfumery Co., Lim.
Sinclair, Jas., & Son
Tidman & Son | Treatt, R. C.
Truffitt, H. P., Lim.
Warrick Bros.
West, T. (Okell's Mona)
Woolley, Sons & Co. (Powder)
Wright, Layman & Umney

PEPPERMINT OIL
Bush, W. J., & Co.
Jakson, J., & Co.
Ransom, W., & Son
Stevenson & Howell
Todd, A. M.

PEROX. OF HYDR
May & Baker, Lim.
Robbins & Co.
Sanitas Co., Lim.
Tyrer, T., & Co.

PETROLEM JELLY
Allen & Hanburys
Christy, T., & Co.
Dee Oil Co., Lim.
Snowdon, Sons, & Co. (Jelly)

PHARM. PREPS.
Allen & Hanburys
Armour & Co. | Balss Bros.
Barron, Harveys & Co.
Boehm, Fredk.
Boehringer, C. F., & Sohne
Boultou, J., & Co., Lim.
Burgoyne, Burbidges & Co.
Burroughs, Wellcome & Co.
Davies, Gibbins & Co.
Dieterich, Eugen
Duncan, Flockhart & Co.
Evaus, Gadd & Co.
Evans, Lescher & Webb
Evans, Sons & Co.
Ferris & Co.
Fletcher, Fletcher & Co.
Hearon, Squire & Francis
Hewlett & Son
Howards & Sons
Kühn, B.
Lofthouse & Saltmer
Macfarlan, J. F., & Co.
Mackey, Mackey & Co.
Martindale, W.
May & Baker, Lim.
Moss, J., & Co.
Oppenheimer, Son & Co., Lim.
Parke, Davis & Co.
Potter & Clarke
Richards, J. M.
Roberts & Co.
Smith, T. & H., & Co.
Smith, W. F.
Squire & Sons
Stevenson, H. E., & Co.
Symes & Co.
Tyrer T., & Co.
White, Alfred, & Sons
Willows, Francis & Butler
Woolley, Sons & Co.
Wyleys Lim.
Zimmermann, A. & M.

PLASTERS
De St. Dalmas, A.
Evans, Sons & Co.
Seabury & Johnson
Solport Bros. (Court)

POLISHING
Bradley & Bourdas (Albatum)
Diamond Emery Co.
Fordham, W. B., & Sons, Lim.

PORCELAIN GDS
Toogood (E.c. Pots, regist.)

POULTRY FOOD
Spratt's Pateut, Lim.

PHOTOGRAPHIC, X RAY, &c.
Barclay & Sons, Lim.
Boehm, Fredk.
Botwright & Grey
Burroughs, Wellcome & Co.
Cox, H. W.
Darton, F., & Co.
Evans, Sons & Co.
Houghton, G., & Son
Howards & Sons (Chemicals
Lockyer, J. E.
Mackey, Mackey & Co.
Maxwell, Bayes & Co.
Raphael, J., & Co.
Reynolds & Branson
Sandell Works Co., Lim.
Thornton-Pickard Co.
Tyrer, T., & Co.
White, Alfred, & Sons
Woolley, J., Sons & Co.
Zimmermann, A. & M.

PILL MACHINES
Bennett, Sons & Shears
Pindar, J. W.
Toogood, W. (Coater)

PILLS, Coated, &c.
Allen & Hanburys
Anderston Apothecaries'
Beecham, Thomas
Bleasdale & Co., Lim.
Box, W. H.
Davies, Gibbins & Co.
Duncan, Flockhart & Co.
Evans, Gadd & Co.
Hearon, Squire & Francis
Hill, A. S., & Son | Holloway's
King's Dinner
Lloyd, T. Howard, & Co.
McKesson & Robbins
Parke, Davis & Co.
Scott's, Dr.
Wand, S. (Pearl Coated)
Warner, W. R., & Co. (Coated)
Wyleys, Lim.

PRINTING
Bowers Bros.
Corsan, J. R. (Glass)
Ford, Shapland & Co.
Harrison & Waide
Silveriock, H.
Townsend, J.

QUININE SALTS
Boehringer, C. F., & Sohne
Howards & Sons
Smith, S., & Co. (Wine)
Zimmermann A & M.

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Duncan, Flockhart & Co.
Lorimer & Co.
Müller & Co.
Tomlinson & Hayward

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Powell & Barstow

SACCHARINE
Reitmeyer & Co.

SALICIN
Macfarlan & Co.
Smith, T. & H., & Co.

SALICYLIC ACID
Burgoyne, Burbidges & Co.
Zimmermann, A. & M.

SARSAPARILLA
Potter & Clarke

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Goodall, Backhouse & Co.
Maw, S., Son & Thompson
Tyrer, P.

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Central (Edinburgh)
City School (Skerry's)
Davis, F.
Dawes, A. H.
Glasgow School of Pharmacy
Liverpool School
Manchester Col. of Pharmacy
Metropolitan Col. of Pharmacy
North of England School
Northern College of Pharmacy
Royal Dispensary (Edinburgh)
Sheffield College of Pharmacy
South London School of Pharmacy, Lim.
Westminster College

SCIENTIFIC INSTRUMENTS
Darton Co. | Hicks, J. J.

SEA SALT
Tidman & Son, Lim.

SEEDS
Brook, Parker & Co.
Potter & Clarke
Spratt's Patent, Lim. (Bird)

SEIDLITZ PWDRS
Davies, Gibbins & Co.
Hora & Co. | May, Roberts & Co.

SELTZOGENES
Bratby & Hinchliffe, Lim.
May, Roberts & Co.
Voloanic Aeration Co.

SERUM
Greeff, R. W., & Co.

SHAVING
Hovenden & Sons (Euxesis)
Lloyd, A., & Co. (A. S. Lloyd's Euxesis)
Truefitt, H. P., Lim.

SHEEP DIP
Fletcher Bros & Co.
Haresceugh & Co.
Jeyes' Sanitary Compounds Co.
Kühn, B. (Kresochine
Ness & Co.
Sanitas Co., Lim.

SHOP FITTERS
Bowling & Govier
Bygrave, J. & W.
Evans, Sons & Co.
Josephs, C., & Co.
Josephs, Philip
Treble, G., & Son
Yates, W. S.

SOAP
Blondeau et Cie. (Vinolia)
Bronnley, H., & Co.
Cook, E., & Co.
Crosfield, J., & Sons, Lim.
Gibbs, D. & W. (Medicated)
Huggin's Soap Works, Lim
Jameson, W. (Arsenical)
Jeyes' Sanitary Compounds Co.
Mackenzie's, Dr. (Arsenical)
Maypole Soap Co., Lim.
Muhlens, F.
Pears, A. & F., Lim.
Sanitas Co., Lim.
Sharp Bros. Soap, &c., Co., Ld.
Sinclair, J., & Son
Tidman & Son
Wright, Layman & Umney

SPECTACLES
Botwright & Grey
Darton, F., & Co.
Raphael, J., & Co

SPONGES
Cohen, I. & M.
Cresswell Bros. & Schmitz
Peterson, M., & Co.

STARCH
Critchley (Gloss)
Hebden, W. C.

STEEL BARRELS
Iron and Steel Plant Co., Lim.

STOPPERS
Austin & Co. (Sprinklers)
Barnett & Foster | Melin, C.
Patent Stopper, Box, and Stamping Co., Lim.
Stipendum Stopper Co., Lim.

STOVES
Clark, S., & Co., Lim

SUGAR
Glebe Sugar Refining Co.
Macfie & Sons

SUGAR OF MILK
Boehm, Fredk.

SURGICAL
Accrington Surgical Appliance Co.
Ayrton & Saunders
Bailey, W. H., & Son
Barclay & Sons Lim. [Co.
British-American Ball Nozzle
Burgoyne, Burbidges & Co.
Eschmann Bros. & Walsh
Ferris & Co.
Haywood, J. H.
Ickringill's Hygienic Cloth Syndicate, Lim.
Krohne & Sesemann
Liverpool Patent Lint Co.
Lynch & Co., Lim.
Macfarlan, J. F., & Co.
Manson, R.
Maw, S., Son & Thompson
Milne, J.
Oppenheimer, Son & Co.
Powell & Barstow
Quelch, H. C.
Robinson & Sons
Sanitas Co., Lim.
Schutze, F., & Co.
Wood, Vincent
Woodruff, T.

SYPHONS
Barnett & Foster
Bratby & Hinchliffe, Lim.
British Syphon M'f'g. Co.
Chemists' Aerated and Mineral Waters Association, Lim.
Geraut, E., & Co.
Idris & Co., Lim.
Kilner Bros. | Melin, C.

SYRUPS
Beckett, W., Sons & Co.
Blyton, Astley & Co.
Fletcher, Fletcher & Co. (Liquors)
Stevenson & Howell
Volcanic Aeration Co.

TABLETS
Corsan, J. R. (Advertising)
Davies, Gibbins & Co.

TEA
Pearse & Meeking
Tower Tea, Lim.

TEETHING PADS
Cartwright, A. S.
Marrlott, E., & Co.

THERMOMETERS
Ayrton & Saunders
Bailey, W. H., & Son
Darton, F., & Co.
Hicks, J. J.

TOBACCO & CIGRS
Singleton & Cole, Lim.

TINCTURES
Blackwell, Hayes & Spilsbury
Davies, Gibbins & Co.
Evans, Sons & Co.
Hewlett, C. J., & Son
Lloyd, T. Howard, & Co.
Moss, John, & Co.
Parke, Davis & Co.
Sinclair, Phillips & Co.
Wyleys, Lim.

TOILET
Ayrton & Saunders
Beetham & Son [(Lanoline)
Burroughs, Wellcome & Co.
Crosfield, J., & Sons, Lim.
Dee Oil Co., Lim.
Hovenden & Sons
Lynch & Co., Lim.
Maw, S., Son & Thompson
Moise, B. F., Lim. [Lim.
Peacock's Ovaline Soap Co.
Sanitas Co., Lim. [Co., Lim.
Sharp Bros. Soap & Perfumery
Southall Bros. & Barclay
Squire & Sons
Tidman & Son, Lim.
Townsend, J. (Paper)
Truefitt, H. P., Lim.

TOOTH PASTE
Beecham, T.
Jewsbury & Brown
Maw, S., Son & Thompson
Parke, Davis & Co.
Sutton, O., & Co.
Woods, M. (Areca)

TRADE MARKS
Browne, T. B.

URETHANE
Howards & Sons

VACCINATION
Maw, S., Son & Thompson
Vaccine Association (Lymph)

VALUERS AND TRNSFR AGNTS
Berdoe & Co. | Brett, F. J.
Crocker, G. B., & Co.
Ferguson & Osborne
Orridge & Co.
Tomlinson, Thos., & Son

VASELINE
Chesebrough Co.

VETERINARY
Bird & Storey
Day & Sons
Day, Son & Hewitt
Ellman, Sons & Co.
Harvey & Co. | Long, A., & Co
Lloyd, T. Howard, & Co.
Rookledge, F. E.
Sanitas Co., Ld | Spratt's (Dogs)
Walker, Troke & Co.

VINEGAR
Grimble & Co.

VINOLIA Superfatt'd
Blondeau et Cie.

WEED KILLER
Acme Chemical Co., Lim
Fletcher Bros. & Co.
Sanitas Co., Lim.
Tomlinson & Hayward

WHOLSLE & EXPT DRUGGISTS
Allen & Hanburys
Allen, S., & Son | Baiss Bros.
Barron, Harveys & Co.
Bleasdale & Co., Lim.
Brook, Parker & Co. (Botanic)
Burgoyne, Burbidges & Co.
Bush, W. J., & Co
Davies, Gibbins & Co.
Davy, Hill & Son, Yates & Hicks
Evans, Gadd & Co.
Evans, Sons & Co.
Evans, Lescher & Webb
Ferris & Co. | Graf, F.
Goodall, Backhouse & Co.
Harker, Stagg & Morgan
Hearon, Squire & Francis
Hewlett & Son
Kemp, Wm., & Son
Lloyd, T. Howard, & Co.
Lofthouse & Saltmer
Macfarlan, J. F., & Co.
Potter & Clark
Raimes & Co.
Raimes, Clark & Co.
Smith, B. A., & Co.
Stevenson, H. E., & Co.
Taylor & Colledge
Willows, Francis & Butler
Woolley, Jas., Sons & Co.
Wright, Layman & Umney
Wyleys, Lim.

WINES, SPIRITS, BEER, &c.
Burgoyne, P. B., & Co.
Burroughs, J.
Coleman & Co., Lim.
French Hygienic Socy. (Cocoa)
Goodall, Backhouse & Co.
Holloway, E. A.
Millar, A., & Co. (Orange)
Phillips, G., & Co. | Robinson, B.
Smith, S., & Co. (Orange)
Stevenson, H. E., & Co
Symons, J., & Co., Lim.
Warren, A. & J.
Whitbread & Co.
Wilcox & Co
Wright, Layman & Umney.
Wyleys, Ltd.

WM. R. WARNER & CO., PHARMACEUTICAL CHEMISTS.

SIXTEEN INTERNATIONAL PRIZE MEDALS AWARDED.

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TRADE MARK.

Bromide of Sodium with Caffeine, in the Granular form. Very carefully and evenly made Invaluable in **Brain Fatigue arising from Overwork, etc.** The *Lancet* (August 6, 1887, p. 265) states that "the Sodium compound does, in fact, agree better (than the potassium salt) with some stomachs."

Unequalled in their medicinal properties or in **SOLUBILITY**. Each pill will produce the effects expected, and an experience of thirty years, coupled with unremitting care and study, has enabled the manufacturers to achieve RESULTS OTHERWISE UNATTAINABLE.

COUNTER VASES OF PILLS, &c.

Elegant Counter Vases, of four different patterns and sizes. Prices from 4/10 upwards including 1,000 Pills. See full details in Warner's Price List.

"No. 120" is an "all round" Antibilious or Liver Pill which has found universal favour.

R. Podophyllin, ¼ gr.; Ext. Colocynth, ⅙ gr.; Pv. Soc. Aloes, 1 gr.; Pv. Scammony, ¼ gr.; Pv. Saponis, 1-8 gr.; Ext. Hyoscyami, 1-8 gr.; Gingerinc, 1-8 gr. Dose, 2 to 4.	Per 1,000, in Plain Bottle 4/-	Per Stoppered Vase, with painted glass label. 6/4	Per Bottle (Bulk) of 5,000 17/6	Per 10,000 34/2

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The essential principle of the gizzard, and bearing the same relation to poultry that pepsin does to the higher animals. Where pepsin refuses to act, and where, in severe cases, it has even been rejected by the stomach, **Ingluvin** has rapidly effected relief. Per oz. Bottle (stamped), 4/6. Supplied unstamped, and in 4-oz. bottles (also in lentiforms) for Dispensing.

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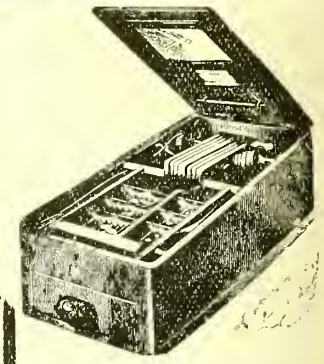
O'BRIEN'S

PATENT.
GOLD MEDAL.

THE ONLY SELF-CLOSING CHECK TILLS.



The Chemist and Druggist says:—"Mr. O'Brien claims, we think justly, that his till is as good a one as has yet been produced for the Chemists' trade. The new coin exhibitor is so simple and costs so little that we would commend this form to new purchasers."

The British and Colonial Druggist says:—"The drawer is self-closing, that is, when the outside edge is brought within 3 or 4 inches of the case the drawer snaps to at once. There can thus be no secret manipulation of the drawer."

The Irish Grocer and Druggist says:—"For accuracy, infallibility, or wear and tear, they stand unrivalled."

Pay for themselves in an incredibly short space of time.

CHECK TILLS

FOURTEEN DAYS' TRIAL BEFORE PURCHASE.

THOUSANDS SOLD IN OVER 1,000 TOWNS IN THE UNITED KINGDOM.

Most suitable Till for a quick Cash trade.

MADE IN SOLID MAHOGANY. Size, 18 × 10 × 7 inches.

PRICE, without Coin Exhibitor, £3 0s. nett, or £3 10s. 3 mos.
" with " " £4 10s. " £5 0s. "

A Chemist writes:—"January 1, 1896. Your Till has been of great assistance to me. Had I had it earlier I should have saved some hundreds."

Another writes:—"January 8, 1896. Please forward one of your Patent Self-closing Check Tills to my address. The one I got from you three years ago has given me great satisfaction. I want above for my other establishment."

Another Firm says:—"We like your till much better than others It is so much more substantially made. Send us on another till at once."

Send for one on trial to:—

THOMAS O'BRIEN,
SLATER ST., BOLD ST.,

LIVERPOOL

ESTABLISHED HALF A CENTURY.

GEO. TREBLE & SON,
CHEMISTS' SHOP FITTERS.
PLANS AND ESTIMATES SUPPLIED FREE OF CHARGE.

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J. & W. BYGRAVE,
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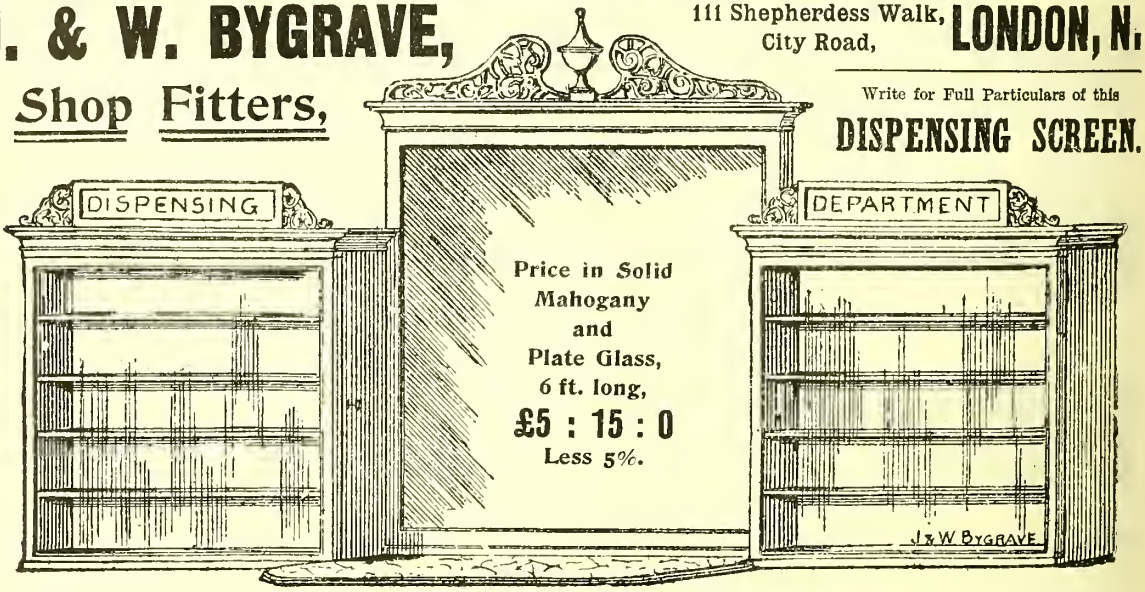
Shop Fitters,

Write for Full Particulars of this
DISPENSING SCREEN.



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PURE MALT EXTRACT

RICHEST IN DIASTASE. PURITY & KEEPING QUALITIES GUARANTEED.

THE LANCET says:—"This preparation proved to be a highly concentrated and active malt essence. It possesses a rich malty flavour, and acts **powerfully** upon starch, **converting it rapidly into maltose.** It is, therefore, well adapted for use as an aid to the digestion of starchy foods, whilst furnishing also important food constituents."

THE BRITISH MEDICAL JOURNAL says:—"It is of pale amber colour and good consistency. When tested with gelatinised starch it converted **FIVE TIMES ITS OWN WEIGHT IN FIVE MINUTES** at a temperature of 100° F. This result shows that the Extract has a **very high diastasic power,** and it therefore would be extremely efficacious as a medicinal agent where the use of an aid to the digestion of amylaceous food is indicated."

THE PHARMACEUTICAL JOURNAL says:—"This preparation is one which is not as well known to the retail chemist as some that could be mentioned, but examination of it shows that it **possesses claims which entitle it to extended patronage.** The result of the test proves the extract to be of **UNUSUALLY HIGH DIASTASIC VALUE,** and it is equally satisfactory in other respects."

Samples on application to the

ENGLISH DIASTASIC MALT EXTRACT CO., LTD.

MISTLEY, ESSEX,

AND AT 5 NEW LONDON STREET, LONDON, E.C.

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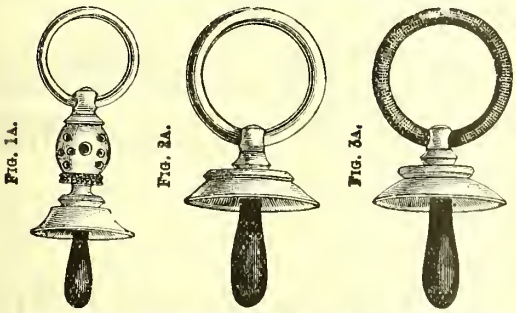
Price Lists on application.

'THE LILY.'

LATEST IMPROVEMENTS.

Figs. 1A, 2A, and 3A, with Patent Unbreakable Ring and CONCAVE SCREW SHIELDS, TEAT and SHIELD SECURELY FIXED.



***"Concave Shields,"** Invented and Registered by T. E. Marriott.*

Retail at 6d. & 1/- Other Patterns supplied as usual.

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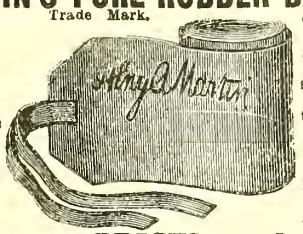
E. MARRIOTT & CO.

HASTINGS, England.

DR. MARTIN'S PURE RUBBER BANDAGES.

Trade Mark.



For Varicose Veins, Ulcers, Eczema of the Leg, Swollen and Weak Joints.

CAUTION.—Please order *Genuine Martin's Bandages,* each being stamped with Dr. Martin's signature. All others are *Spurious Imitations.*

Complete Price List, Trade Discount, and Dr. Martin's Pamphlet post free.

PRICES

No.		Feet	Inches	Each
3A.	Thin, for ankle, elbow, wrist, and forearm ..	6	2½	3/6
3.	Thick " " " " ..	6	2½	4/-
1B.	Thin, for leg below knee	10½	3	5/6
1A.	Thick " "	10½	3	7/6
8.	Thin, for leg and knee	14	3	7/6
7.	Thick " "	14	3	9/6
9B.	Thin, for leg and thigh	21	3	10/6
A.	Thick " "	21	3	13/6

Sole Agents—**KROHNE & SESEMANN, SURGICAL INSTRUMENT MAKERS**
8 DUKE STREET, MANCHESTER SQUARE, LONDON.

W. F. SMITH'S

PILE POWDERS

(Price 1/1½, Treble Box 2/9; by Post 15 or 33 Stamps)

Are proved by many years' extensive experience a most Rapid Cure for Piles and Preventive of Fistula.

This Remedy may be implicitly relied on.

PREPARED ONLY BY

W. F. SMITH, M.P.S.,

280 WALWORTH ROAD,

And Sold through the usual London Houses "universally" by Patent Medicine Vendors.

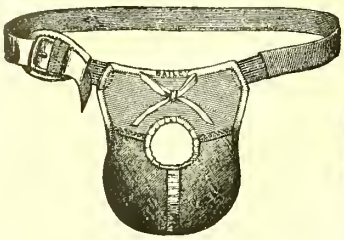


Fig. 2.

BAILEY'S
SUSPENSORY BANDAGES
A. B. C. SYSTEM.

What *"THE CHEMIST AND DRUGGIST"* says:—

Every retailer knows what a worry it is to get a customer suited with a bandage when it has to be picked out of a drawerful of all sizes. Messrs. Bailey's system is to mark every bandage with a number and letter—4B, for instance. By referring to the list, one finds that No. 4 is so-and-so, and the letter B indicates the size. If B is too large, A can be supplied; if too small, then size C. In the case of hydrocele, where a continually increasing size is necessary, it will be seen how very convenient this system is for ordering. Apart from that, there is the convenience in stocking the bandages Each one is put up in a neat slide-box, labelled at one end with the size and style, thus:—

To repeat, quote No. 4^{B} SILK.

So that they are easy to pack away, easy to fit, and easy to sell, while the quality is excellent.

Cabinet of 2 dozen assorted, 30/- USUAL DISCOUNT. Containing—

6 No. 1, Cotton, with tape under-straps	Fig. 1	per doz.	8/-
6 No. 2, ,, ,, drawing-strings	Fig. 2	,,	10/-
6 No. 4, Silk, with ,,	Fig. 2	,,	18/-
3 No. 6, Super. Silk, with ,,	Fig. 2	,,	24/-
3 No. 8, ,, ,, button-bags	Fig. 8	,,	24/-

W. H. BAILEY & SON, 38 OXFORD STREET, LONDON, W.

TELEGRAPHIC ADDRESS—"BAYLEAF LONDON."

ANTISEPTIC DRESSINGS.

ISDAMA TRADE MARK. I SDAM A BRAND.

Every package bears this Trade Mark in white letters on a red ground.

Please specify **MILNE'S** on orders not sent direct, to ensure getting Lord Lister's authorised preparations

ABSORBENT WOOL. GAUZE. LINT.

OILED SILK. SURGICAL SPONGES. SHEETINGS. JACONETS. LIGATURES.

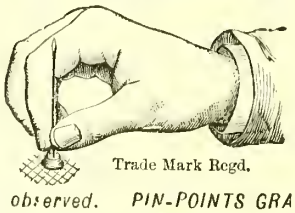
Enquiries from Chemists desirous of supplying local Institutions promptly attended to.

JOHN MILNE, Antiseptic Dressings Factory, **LADYWELL, LONDON, S.E.**

THE ASSOCIATION FOR THE SUPPLY OF PURE VACCINE LYMPH

(ESTABLISHED 1877),

12 PALL MALL EAST, LONDON, S.W.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Office Hours—
10 till 4; Saturday, 10 till 2.

CALF AND HUMAN. PURE & RELIABLE.

All Antiseptic Precautions most carefully observed. *PIN-POINTS GRATIS WITH VACCINE WHEN REQUESTED.*

CALF, Tubes, 2/-; Half-Tube, or two S.V. tubes, 1/-. **POMADE,** especially active, for Export, 5 -, 10/-. 20 - each.

HUMAN, from healthy children only, microscopically examined and source quoted. Tubes, two-thirds full, 1 8 each; one-third full, 1/- each. Tubes, two-thirds full (in every respect equal to those mentioned above, but without source), in quantities for export, £5 per 100.

Sole Agents for **DR. WARLOMONT'S CALF VACCINE.** For price see Calf Vaccine above.

P.O.O. (including postage, and crossed London and Westminster Bank), with orders payable to EDWARD DARKE, Sec.

THE KEPLER MALT EXTRACT

AND ITS COMBINATIONS.

A FULL percentage of diastase, maltose, albuminoids, dextrins, and phosphates is contained in KEPLER MALT EXTRACT, which presents these valuable constituents, essential for replacing tissue waste, in the purest and most active form

Its source is the very best, selected winter-malted barley, the process of manufacture is the result of many years experience, and the product is an ideal flesh-forming food and a powerful aid to nutrition and digestion.

The *British Medical Journal*, speaking of this Extract, reports:—"We can recommend the Kepler Malt Extract. . . . This improved Extract of Malt has now been under trial for some time, and is very favourably spoken of by physicians, both in respect to its nutritive and digestive properties, and as being of very agreeable flavour."

KEPLER MALT EXTRACT.

KEPLER SOLUTION OF COD LIVER OIL IN MALT EXTRACT.

Small and large bottles, 20s. and 36s. per doz.

KEPLER MALT EXTRACT WITH IODIDE OF IRON.

2 gr. to each fluid ounce.

Small and large bottles, 26s. and 47s. per doz.

KEPLER MALT EXTRACT WITH HYPOPHOSPHITES.

Calcium hypophosphite, 8 gr.; potassium hypophosphite, 4 gr.; and sodium hypophosphite, 4 gr. to each fluid ounce.

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7½ gr. to each fluid ounce.

KEPLER MALT EXTRACT WITH IRON, QUININE AND STRYCHNINE.

(EASTON FORMULA.)

Iron phosphate, ½ gr.; quinine phosphate, ⅛ gr.; and strychnine phosphate, 1/64 gr. to each fluid ounce.

KEPLER MALT EXTRACT WITH PHOSPHATES (CHEMICAL FOOD).

Each fluid drachm contains Phosphates, of iron, ¼ gr.; of lime, ⅓ gr.; and of sodium and potassium.

Small and large bottles, 30s. and 56s. per doz.

Burroughs Wellcome & Co., Snow Hill Buildings, LONDON.

Australasian Address:—108, Pitt Street, SYDNEY, N.S.W. *Cable and Telegraphic Address:—"BURCOME, LONDON."*

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A Plastic Emollient Cream for ITCHING, FACE SPOTS, ECZEMA.

Retail Price, 1/1½, 1/9, 3/6, and 6/-. Trade Price, 10/8, 16/9, 33/4, and 57/8 per dozen boxes (less usual discounts).

BLONDEAU ET CIE., MALDEN CRESCENT, LONDON, N.W.

CONCENTRATED LIQUORS ("HERON")
For the immediate production of
TINCTURES, INFUSIONS, DECOCTIONS, SYRUPS, &c.

GRANULAR EFFERVESCENT SALTS.

PILL CONSISTENCE AND IN POWDER. EXTRACTS LIQUID, B.P., B.P.C., U.S.P.

COCA WINE
("NON-EXCISABLE"),
IN PINT and HALF-PINT BOTTLES.

LINCTUS ROSÆ,
A Cough Specific for Children.

LINCTUS TUSSI RUB.,
A similar preparation to the above, for Adults.

HEARON, SQUIRE & FRANCIS
Wholesale and Export Druggists, Analytical and Manufacturing Chemists,
38 SOUTHWARK STREET, S.E.

INFANTS' FOOD MALTED,
In bulk or in tins with plain labels.

EMULSION OF COD LIVER OIL WITH THE HYPOPHOSPHITES.

Emulsion of Petroleum WITH THE HYPOPHOSPHITES.

COMPOUND SYRUP OF FIGS,
A pleasant and certain laxative for children and delicate persons.

NEUTRAL AND BRIGHT. SYR. HYPOPHOS. CO. NEUTRAL AND CLOUDY.

SEMI-SOLID EXTRACT of MALT LIQUID
WITH COD LIVER OIL OR THE HYPOPHOSPHITES.

QUOTATIONS FOR RECIPES. ROLLED PILLS PEARL, GELATINE, OR UNCOATED.

THE CHEMIST AND DRUGGIST

ESTABLISHED 1859.

Subscription: Fourpence a Week, Ten Shillings a Year. Summer and Winter Numbers, 1s. per Copy.

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As an Official Journal

THE CHEMIST AND DRUGGIST is supplied regularly to every member of the following Societies:—

Pharmaceutical Society of Ireland.
Chemists' and Druggists' Society of Ireland.
Pharmaceutical Chemists' and Apothecaries' Assistants' Association of Ireland.
South African Pharmaceutical Association.
Pharmaceutical Society of Natal.
Pharmaceutical Society of the South African Republic.
Central Pharmaceutical Association of N.Z.
Otago Pharmaceutical Association, N.Z.
Pharmaceutical Society of Queensland.
Pharmaceutical Society of South Australia.
Pharmaceutical Society of Tasmania.
Pharmaceutical Society of Western Australia.

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INSETS.

THE publisher asks us to remind wholesale houses, manufacturers, and others interested that he will receive circulars, price-lists, &c., for distribution with the Summer Number of THE CHEMIST AND DRUGGIST to be published on July 31. Any who wish particulars should drop him a postcard—the sooner the better, so as to get the best positions.

PHOTOGRAPHIC COMPETITION.

WE remind all those who take photographs, and who are subscribers to the *C. & D.*, or employed by them, or members of their families, that we offer an excellent hand-camera as a first prize for a photograph of a pharmacy exterior or interior ($\frac{1}{4}$ or $\frac{1}{2}$ plate). Pictures of old pharmacies will be specially welcomed, as well as those of perfectly modern design, and photographs of sections (such as show-cases, cabinets, dispensing-counters, &c.) will rank equally with others. The camera will be given for the best picture. We hope to print a selection from those sent in in the *C. & D.* The competition is open during this month.

SUMMARY

"THE Gent that Pays the Rent" is on p. 854.

A COMPANY has been formed for selling formalin in this country (p. 843).

NURSE GRAY'S cancer-cure is an antiseptic cream, as explained on p. 857.

THREE fires and one burglary at chemists' shops are reported this week (p. 836).

THE latest particulars regarding the new parcel-post arrangements are printed on p. 846.

THE Birmingham public analyst complains that some of the medicines sold there are too strong (p. 836).

THE chairs of botany and materia medica in the Philadelphia College of Pharmacy have been filled up (p. 839).

AN abstract of the Pharmaceutical Society's income and expenditure for each year since 1868 is printed on p. 849.

OUR Westminster correspondent briefly reports upon the Workmen's Compensation Bill, which is still under discussion (p. 846).

OUR Reviews deal with Tyson's "Practice of Medicine," Fernie's "Herbal Simples," and "The Optician's Handbook" (p. 847).

SEVERAL histological facts, the alkaloids of belladonna, milk-constant, and igasuric acids are included in scientific notes (p. 848).

MR. HYSLOP read a practical paper to the Western Chemists' Association, on Wednesday evening, dealing with storage in the pharmacy (p. 855).

A DRUGGISTS' sundries man, who was doing a big business in an arrangement for making people taller, has made his bow at Bow Street on a charge of fraud (p. 836).

MR. NEVILLE (of Cambridge), Dr. Stanley Kipping, and Professor J. Millar Thomson are the chemists who will be elected Fellows of the Royal Society on St. Andrew's Day (p. 853).

WE report the annual meeting of the Nottingham and Notts Chemists' Association, held on Wednesday, at which a satisfactory condition of the Association was reported (p 855).

A MAN who advertised trusses at Oxford is being prosecuted for obtaining money under false pretences, the allegation being apparently that testimonials advertised were not genuine (p. 837).

MESSRS. BRUNNER, MOND & CO. (LIMITED) pay a dividend at the rate of 30 per cent. per annum for the nine months ending March 31 last; and Sir John Brunner complains of cutting in the alkali trade (p. 843).

MR. HOLLAND CRAMPTON, in a series of papers communicated to the Chemical Society, puts forward new ideas regarding the theory of electrolysis, and disputes the correctness of the ionisation theory of solution (p. 840).

ACTIONS in reference to Worcester Sauce (the right to use the title "original makers"), Helm Cocoa (the trade-mark), and Rendell's Suppositories (the alleged common right to the name of Rendell) are reported on p. 841.

SIR RICHARD QUAIN has reported to the General Medical Council that the new British Pharmacopœia is complete, and the members are to have proofs this week. It will be published after November next, and probably before Christmas (p. 852).

AN analyst certified that some whisky contained 10 per cent. of added water because he found it 10 per cent. below the permitted standard. The defendant said he had added no water, and the spirit had evaporated. The High Court supported the Magistrates in dismissing the summons (p. 841).

Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

Fires at Chemists'.

A fire occurred on May 20 in the warehouse behind Mr. F. Ritson's chemist shop at Carlisle. The warehouse contained a large quantity of inflammable goods, and when the firemen could enter the building they found that the contents had either been totally destroyed or rendered useless. Considerable damage was also done to the stock in the shop through the dense smoke. The fire is supposed to have originated through the overheating of the kitchen fire, at the back of which a cask of turpentine was stored. It is feared that the loss will be only partially covered by insurance. At the time of the outbreak Mr. and Mrs. Ritson were away at Wetheral, it being the early-closing day.

On Saturday afternoon, May 22, a fire occurred on the premises of Mr. J. F. Marlar, chemist and druggist, of North Hill, Colchester. An assistant named William Wild was getting some articles out of the cellar when he stumbled, smashing a jar containing methylated spirit, which caught fire from a light he was carrying. Mr. Marlar, aided by some customers, was able to smother the fire by means of damped rugs, matting, &c., and the damage, which is covered by insurance, will not, therefore, be very large in amount. Mr. Marlar was, however, somewhat severely injured by burns on his hands.

About 10 P.M., last Saturday night, a fire broke out in the warehouse of Mr. Webster, chemist, High Street, West Bromwich. It appears that a youth was engaged draining some spirits from a cask, when he dropped the light he had in his hand, and thus ignited the inflammable liquid. The flames quickly spread to a quantity of wooden boxes containing stores. The firemen, after working for about twenty minutes, subdued the flames.

Parma Violets at the Play.

"Sweet Lavender" has retired, and "Parma Violets" has taken her place at the Grand Theatre, Cardiff. It is a "high-class romantic play," and when Miss Gertrude Irving's company presented it there last week, Messrs. Duck & Son, chemists, in honour of the occasion, perfumed the theatre with Parma violets. A local chronicler states that "a choice and delicate perfume met the audience as they passed through the entrance doors, and inside the building the atmosphere was heavily laden with scent. The novel idea certainly added to the enjoyment of the evening." We hear that the perfume used was Grant's extrait violette de Parme, supplied by Messrs. F. Schutze & Co., Aldersgate Street, E.C.

Burglary at a Chemists' Shop.

The shop of Messrs. J. Taylor & Sons, chemists and druggists, Market Place, Newark, was entered on Friday night, or early on Saturday morning, of last week. The thief, or thieves, got in by a side-door, and appear to have emptied seven cigar-boxes of their contents, leaving the boxes behind. Not satisfied with this, they bagged about 8 lbs. of tobacco, and rifled the till of coppers to the extent of about 2*s*. Then getting out as they got in, left no traces of their identity behind them.

Drug-adulteration in Birmingham.

Dr. Alfred Hill, medical officer of health and analyst to the city of Birmingham, in his official report for 1896, refers to the adulteration of drugs. Of sixty-seven samples of drugs analysed, he had found sixteen defective. This is about twice the proportion in England and Wales generally, and about four times as high as in London, as shown by the reports of the Local Government Board, though the proportion of drugs usually adulterated, such as spirit of nitrous ether, tincture of rhubarb, and sulphur, was about the same in Birmingham as in the rest of the country. Dr. Hill states that two of thirteen samples of compound tincture of benzoin were 25 and 15 per cent. deficient, respectively, in solid ingredients. In five of eleven samples of ipecacuanha-wine the proportion of alcohol was deficient, and small quantities of salicylic acid had been added to five of the samples to preserve them. As the Pharmacopœia does not sanction this addition, and as he regards the undeclared addition of preservatives to drugs, as well as to food, to be a most objectionable practice, he had no option but to certify them as adulterated. Of seven samples of spirit of nitrous ether examined six were genuine, but one contained 20 per cent. of ethyl nitrite in excess of the maximum Pharmacopœia requirement. One sample each of quinine-wine, spirit of ether, and spirit of camphor were all unsatisfactory. The spirit of camphor contained 40 per cent. of camphor in excess of the quantity ordered by the B.P. Two samples of tincture of iodine contained an excess of iodine, in one case as much as 74 per cent. Dr. Hill also reports at some length on the use of boric acid as a milk and food preservative, and expresses the opinion that children ought not to take boric acid except under medical advice, it being a drug whose continued use it is impossible to say is free from danger.

Chemists at Cricket

May & Baker C.C. *v.* Davy, Hill & Co. C.C. Played at Wimbledon Park, on May 22. Scores: M. & B., 64; D., H. & Co., 43. A. G. Andrews made 24 and C. W. Lockwood 19 for the winners.

Pharmaceutical C.C. *v.* Barronetta. Played at Brockley, on May 22, resulting in a draw. Barronetta, winning the toss, went in and put on 128, with 2 wickets to fall. The Pharmaceutical then followed, and scored 55 for 8 wickets by seven o'clock, when stumps were drawn.

Advertising Ideas.

Messrs. Scrubb & Co., of Southwark Street, are issuing a small decorative pamphlet, which they will enclose with every bottle of their cloudy fluid ammonia sent out during the next sixty days. The inside matter contains a chronological record of the leading events of her Majesty's reign. We note that some years are more distinguished than others, but Messrs. Scrubb evidently regard 1876 as the *annus mirabilis*, for special type shows that that was the great year when the cloudy ammonia was invented.

Messrs. Boots have originated another competition, this time with the object of increasing the sale of Gratton's embrocation. With each bottle purchased at Boots' stores is given a receipt, entitling the holder to participate in the competition in which prizes amounting to 25*l*. are offered to the twenty-one persons giving the nearest forecasts of the positions occupied at the end of the season by the fourteen leading county-cricket clubs.

Oh, the Jubilee!

The General Medical Council is to present the Queen with an address on the occasion of the completion of the sixtieth year of her reign, and has resolved to spend an appropriate sum in providing some illumination on the Jubilee day.

The Grimsby Chemists' Association.

At the annual meeting of this Association, held on May 25, the officers were unanimously re-elected as follows:—Alderman E. Palmer, J.P., president; Mr. R. Cook, vice-president; Mr. J. Hawdon, treasurer; and Mr. S. J. North, secretary. Satisfactory reports were presented. The question whether a dinner or excursion should be organised was referred to a committee.

Queer Sundries.

At Bow Street, on Wednesday, Arthur Lewis Pointing (29), described as a druggist's sundriesman, of Westminster Bridge Road, was charged on a warrant with fraud. The prisoner was stated to trade under fourteen aliases. Detective-Inspector Leach said that on Tuesday afternoon he and two other

detectives went to 156 Westminster Bridge Road, where the prisoner occupied three rooms in the name of Cooper, Lloyd & Co. In the back room he found thirteen girls employed in opening letters received by him under various names. The prisoner was arrested. Sergeant Croston seized a quantity of postal-orders which the girls were dealing with, and Sergeant Gough took possession of a large number of pieces of cork which were sold by the prisoner as the "A. D. Invisible Boot and Shoe Elevators (Regd.)," price 3*s.* 9*d.* per pair plain, and 5*s.* 6*d.* per pair when a piece of red paper was gummed on them. They were supposed to make the wearer taller and to cure weak ankles. That morning Sergeant Gough went round with a bag to the various addresses used by the prisoner, and collected about 2,000 letters. In reply to witness, prisoner told him that he had no private address, as he resided at hotels, but he had a houseboat, the *Fedora*, at Staines. The prisoner was remanded, bail being refused.

A River-day for Western Chemists.

The Western Chemists' Association are organising a river-trip for July 21. The arrangements are entrusted to Messrs. Taplin, Matthews, and Cracknell.

Plymouth, Devonport, Stonehouse, and District Chemists' Association.

The monthly meeting of this Association was held on May 25, Mr. G. Breeze, J.P., in the chair. Mr. Pole (of Messrs. Silverlock's) and Professor Greenish were elected honorary members. Mr. A. J. Breeze gave notice of a resolution respecting earlier closing in the evenings and on Wednesday afternoons. This was supported by Mr. C. J. Park, and was placed on the agenda-paper for the next quarterly meeting.

Mr. Cocks read Professor Greenish's report on the Latin and pharmacy examinations. The candidates were placed as follows:—Latin—(1) W. Hellyer, (2) H. Vibert, (3) A. Downing. Pharmacy—(1) Ivey, (2) Downing, (3) Darke, Treneer.

A vote of thanks was passed to Professor Greenish for kindly conducting the examination, and also to Messrs. Bailey and Underhill for trouble in furnishing the new rooms.

Buying a Truss.

At Oxford Police Court on Tuesday last, Samuel Albert Sly, *alias* Albert Hodge, trussmaker, 10 Ship Street, Oxford, was charged on a warrant with obtaining by false pretences from Abraham Hoyle, between April 3 and 14, the sum of 5*l.*, with intent to defraud. The prosecutor is a mill manager at Blackpool. He stated that he saw in the *Blackpool Echo* of April 3 an advertisement relating to Sly Brothers' trusses, and giving a testimonial from Sir B. Ward Richardson to the effect that Sly's truss was one which he should advise patients to try. Prosecutor sent to Sly Brothers for particulars, and got a reply—a letter-circular and price-list. The circular contained various testimonials from persons, including one from "M.D., Reading," and also what purported to be an extract from the *Lancet*. In reply, he sent a 5*l.* Bank of England note. The reasons which induced him to send the money were the testimonials he saw in the circular, and also the statements it contained. He asked to have one of the best trusses sent him, and in reply received a receipt for the money, and two memorandum-cards, saying that the truss was in hand and would be sent on. He received the truss and immediately put it on. It was very uncomfortable, and he wore it three or four days, but it still remained uncomfortable. He tried to adjust it, but was unable, and had to throw it off. He considered its value was 10*s.*, and he communicated with the police. He was not a judge of the value of trusses. The truss did not answer to the description given in the circular. Detective-inspector Prior gave evidence of the arrest, and the Magistrates ordered a remand for a week. Mr. Fisher, who defended the prisoner, applied for bail, and said he was prepared to offer substantial security. Mr. Day strongly opposed the application on behalf of the Chief-constable. The Magistrates refused the application.

An Essential-oil Distiller's Accident.

On Wednesday afternoon Coroner Braxton Hicks held an inquiry at Lambeth into the circumstances attending the death of William Robert Bryant (19) an engineer, of Woodroofe House, The Mall, Chiswick, who was drowned in the Thames on Saturday afternoon last. The evidence of Ms. Doumin, essential-oil distiller, of the firm of Jeancard, Gazan & Doumin, 13 St Mary Axe, E.C., owner of the steam-yacht *Neroli*, showed that on Saturday last the yacht was lying off St. Thomas's Hospital. Shortly after 2 o'clock the owner and two friends hailed the yacht. The deceased, who was the son of the captain of the yacht, got into the dinghy and rowed to Westminster Bridge steps. Mr. Doumin and his friends got into the boat, and while pushing off from the wall the craft capsized, and the occupants were precipitated into the water. Mr. Doumin rose to the surface, and was carried by the strong flood-tide towards his yacht, and being a good swimmer was saved. His two friends had a narrow escape of their lives; as they grasped hold of the gunwale of the craft she overturned. In the meantime the deceased, although a good swimmer, sank and was carried by the flood-tide towards Vauxhall and drowned. The jury returned a verdict of accidental death.

Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

Gallant Rescue by a Chemist.

On Sunday last, while bathing in the open sea at Sandy Cove, Kingstown, a clergyman named Lynch became weak and began to sink. He called for assistance, and Mr. J. Hogan, an assistant in Messrs. J. J. Graham's State pharmacy, Dublin, left a bathing-box in which he was undressing, and plunged half dressed to the rescue. By this time the drowning man had gone under; but Mr. Hogan, after great exertion, got him on his back, and swam with his unconscious burden to the shore, where he assisted to restore animation with success. Mr. Hogan received quite an ovation from the crowd. The matter is to be brought under the special notice of the Royal Humane Society.

Business Changes.

Mr. T. R. Lester, L.P.S.I., Patrick Street, Cork, has opened a branch pharmaceutical establishment at the Hibernia Buildings, King Street, for the convenience of his customers on the north side of the city. The new premises are elaborately fitted up, and are lighted by electricity.

Messrs. H. Williams & Co. (Limited), grocers, Dublin, announce that they have opened a compounding-department at their Lower Baggot Street branch, under the management of Mr. M. F. Fitzpatrick, L.P.S.I.

Crediting the "C. & D."

At the South Dublin Union, a few days ago, the question of the supply of drugs and medicines to the Union was discussed. Captain Boyd, a Guardian, criticised the tenders at some length. He said that his eyes had been opened by reading an account of the drug-contract system in a recent issue of a London trade journal, called THE CHEMIST AND DRUGGIST, which in his opinion was a most valuable publication, and one which he thought might be read with advantage by Boards of Guardians in general. Mr. Byrne: I know the paper well; I often read it. Captain Boyd said he was glad to find that he was not the only one on the Board who knew about the paper, and he hoped the Guardians would bear in mind the substance of its articles dealing with drug-contracts when deciding their own contract.

Horse-poisoning.

A Limerick farmer named Slattery has been awarded by the grand jury the sum of 315*l.* compensation for the malicious poisoning, by means of strychnine, of a valuable horse belonging to him.

The Aërated-water Strike.

The dispute between Messrs. Bewley & Draper, wholesale druggists, Dublin, and a section of their employés still remains unsettled, and there is no immediate prospect of a settlement being arrived at.

An Irish Bethesda.

Last week the local feeling in connection with the Lisdoonvarna Sulphur-spas reached an acute stage, when the people of the place forcibly broke open the well-houses, which had been closed by order of the Irish Church Body, which is the ground landlord. The public has had free access to the wells for years past. Cups of the water were served out to all who desired to drink amid a scene of wild enthusiasm.

Buy Your Own Cherries.

The Local Government Board have written to the Guardians of the New Ross Union declining to sanction the expenditure on perfumery, and in the purchase of a special thermometer and pocket surgical-case for the use of the dispensary officer. The L.G.B. point out that medical instruments can be made antiseptic by sterilisation before use. The Chairman expressed surprise that the Board objected to the small quantity of perfume asked for, as it was often very necessary as a disinfectant. Mr. Ahearne: It is only used by the medical officers themselves, and they ought to supply their own perfumes.

The Mullingar Medicine-contract in Parliament.

In the House of Commons on May 21, Mr. Tully asked the Chief Secretary to the Lord Lieutenant of Ireland whether the Local Government Board were aware that the medicine-contract in Mullingar Union was cancelled last year as the result of a sworn inquiry into grave irregularities which were found to exist, the accounts of the contractor not having been properly checked by the clerk of the Union, whose brother was in the employment of the contractor; and that the medicine-contract had been voted this year by the friends of the clerk of the Union to the same contractor, whose tender was found to be the highest; and whether he could state what action the Local Government Board had taken in the matter. Mr. Gerald Balfour said the circumstances under which the medicine-contract was terminated last year had been referred to in a previous answer. He had no information as to the occupation of the clerk's brother. The Guardians had this year given the contract to the same contractor. The tender was not shown to be higher, and upon a comparison of the prices of the drugs most in use, it appeared that three tenders were higher and five lower than the accepted tender. The Guardians were not bound to accept the lowest or any tender, and the Local Government Board did not see their way to interfere.

Apothecaries' Hall Examiners.

At the meeting of the General Medical Council in London on Tuesday, the President, Sir Richard Quain, Bart., advised the Council to fall in with the Privy Council's decision that assistant examiners should be appointed, and an opinion by the Council's legal advisers was entered on the minutes to the effect that the direction given by the Privy Council relieves the Medical Council from all responsibility in the matter, but that the former Council's reason of action was that in refusing examiners the Medical Council was exercising a jurisdiction belonging to the Privy Council—"the highest judicial tribunal in the United Kingdom." Professor Tichborne moved, and Sir John Banks seconded, that Drs. L. Hepenstal Ormsby and Frederick Conway Dwyer should be appointed assistant examiners; but they withdrew the motion in favour of one to appoint a committee to nominate assistant examiners, and to recommend the amount to be attached to the office.

Baby's Turn Next Time.—Mrs. Briske: "Johnny, did the doctor call while I was out?" Little Johnny (stopping his play): "Yes'm. He felt my pulse, an' looked at my tongue, and shook'd his head and said it was a very serious case, and he left this prescription and said he would call again before night." Mrs. Briske: "Gracious me! It wasn't you I sent him to see; it was the baby."

Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

The Chemists' Golf Club.

The Edinburgh District Chemists' Golf Club held their second competition for the "Gibson Handicap Medal" on Friday and Saturday last over the Braids course. On cards being returned, Mr. A. M. Stewart was found to be the winner with the score of 101 less 10 = 91.

A Bacteriological Laboratory for Dundee.

The Town Council of Dundee has decided to equip a bacteriological laboratory, chiefly for the purpose of assisting the medical officer of health in diagnosing cases of diphtheria and typhoid fever.

A Chemist's Son Killed.

On Friday of last week, a boy, about 4 years of age, son of Mr. R. Ormiston, chemist, Alloa, was accidentally run over by a cart and killed.

French News.

(From our Paris Correspondent.)

The Bordeaux School of Pharmacy.—The pharmaceutical section of the Bordeaux Mixed Faculty will shortly be transferred from its present premises to the Saint Jean Hospital, Bordeaux. This will necessitate an outlay of 500,000f. (20,000*l.*), of which the town will pay half.

A Russian Pharmacist at Nancy.—A Russian named Lesniowski, who stated that he was a pharmacist's assistant, was arrested at Nancy a few days ago for a slight offence. It seems he had been in trouble before, and was ordered to be expelled from France. The pharmacist thereupon shouted, "Down with the magistrates." Asked by the Chairman of the Bench to apologise, he repeated the insult, and this secured him a sentence of five years' imprisonment.

Chemical Imports into France.—According to the excellent little monthly circular published by the British Chamber of Commerce in Paris, the value of the imports of chemical products into France during the first quarter of 1897 showed an increase upon that of the first quarter of 1896, the figures being respectively 9.117,000f. and 8,778,000f. The circular in question will be found very useful by firms dealing with France. Specimen copies of it may be had upon application to the Secretary of the Chamber, 25 Bd. des Italiens, Paris.

Explosion in a Pocket.—M. E. Lourdel, a pharmacien of Reims, reports an accident to a doctor of that town similar to one reported last week in the *C. & D.* The doctor, while visiting a patient, mechanically rubbed together a couple of pastilles in the pocket of his overcoat. A slight explosion occurred, the doctor's pocket was burnt, and one of his fingers was slightly injured He had left two compressed pastilles of chlorate of potash and a lozenge of chlorate and sugar in his pocket for several days. Probably he rubbed the chlorate-and-sugar lozenge against the compressed chlorate-of-potash pastille, and this caused the explosion.

Vichy Salts.—Last year an action was brought against the Vichy Mineral-water Company, by M. Lavergne, a pharmacien, for illegal practice of pharmacy by the sale of Vichy salts and pastils. The company was fined and ordered to pay damages, the Court holding that "Vichy salts and pastils are exclusively medicinal compositions of which the preparation and sale are entirely reserved to

pharmacists." Also the shop in Paris in which the company sold these preparations was ordered to be closed. The Vichy Company took the case to the Court of Appeal, and the finding of the lower Court has been reversed. The case appeared to turn on the point that as the defendants have the monopoly of the Vichy springs and the right to sell the mineral waters, it can be no infraction of the pharmacy law if they sell salts and pastils which are obtained merely by the evaporation of such water. The plaintiff pharmacien, M. Lavergne, was ordered to pay all the costs of both the first hearing and the appeal.

The Annual Examination of Paris hospital assistant pharmacists was commenced here on Monday, May 24, at 3 Avenue Victoria. All the assistants are obliged to take part in the competition, and prizes consisting of medals and books are awarded. The assistants are divided into three sections, according to their length of service in the hospitals. A subject is given to the competitors on which they have to prepare a paper, and at the end of a given time each man has to read his work aloud to the examiners, who give points and express an opinion as to whether the assistant is worth retaining in the service. There is also an advanced competition which is limited to twelve candidates. A preliminary examination takes place first of all, and the final consists of two subjects:—1. General questions on pharmacy and chemistry; for this ten minutes are allowed for the reply after ten minutes' reflection. 2. Recognising twenty plants and substances belonging to natural history and pharmaceutical chemistry, chosen in advance by the jury; for this five minutes are allowed to each candidate.

Manufacturers and Education.—The gift of 100,000f. (4,000*l*.) by MM. Solway & Co., the well-known chemical-manufacturers, to the Nancy University, to assist in developing the Chemical Institute of that town, has excited some emulation. A well-known ironworks has given 10,000f.; two glass-manufacturers have sent similar sums, and smaller amounts have also been contributed. A Paris professor of chemistry expressed to me a few days ago the satisfaction he felt at seeing the interest French manufacturers are disposed to take in giving financial assistance to the higher scientific education of the country. "We cannot make the fact too apparent," he said, "that a laboratory discovery may easily revolutionise processes of manufacturing, and, as a result, the conditions of competition in the markets of the world. In England and in other countries this has been understood long ago. I expect that the large donations made by manufacturers abroad to their scientific institutions are made not perhaps so much from a love of pure science as in the hope that some tangible benefit may result by a discovery useful to commerce."

Colonial and Foreign News.

Working by Shifts.—The *Pharmaceutical Era* mentions that some New York druggists have commenced to work their staffs by shifts, so that no assistant has to work more than ten hours a day. The following is a sample of the ways of dividing the day:—1st shift: 7 A.M. to 12 noon; 1 to 6.30 P.M. 2nd shift: 8 A.M. to 1 P.M.; 5.30 to 11 P.M. 3rd shift: 12 noon to 5.30 P.M.; 6 to 11 P.M.

"Malarin" and "Epidermin."—Under the title of "Gesellschaft zur Verwerthung Chemischer Producte" ("Association for the Exploitation of Chemical Products"), a limited company, with a capital of 400,000m., has been formed at Leipzig for the acquisition of Dr. F. W. S. Valentiner's inventions known as "malarin" and "epidermin," and, eventually, their manufacture and sale.

The New Drug-trade Club Premises in New York.—The formal opening of the new home of the Drug-trade Club of New York, on the twelfth floor of Woodbridge Building, at the corner of William and John Streets, took place on May 11. About 400 members and guests filled the club-rooms, which were profusely decorated with plants and flowers. The dedication proceedings were quite informal, and all the more enjoyable on that account. A fine lunch was served from noon to 3 P.M., and President Cook was presented with a beautiful silver berry and salad set on behalf of the members of the club.

Drugs for Bulgaria.—Most of the drugs and chemicals imported into Bulgaria come from Austria, but a considerable portion of the imports of that country is really of German manufacture. There are practically no large local firms importing drugs and chemicals wholesale for re-distribution. The chemists, as a rule, import all they require of foreign goods through Austrian commission houses. Of the drug and chemical imports in 1896 (according to official returns) 137,014 kilos. (value 339,926f.) came from Austria, 34.010 kilos. (120,172f.) from Germany, 24,331 kilos. (85,758f.) from France, 10.197 kilos. (8,122f.) from Turkey, 2.192 kilos. (5,891f.) from Britain, 553 kilos. (5,511f.) from Italy, and 1,126 kilos. (4,087f.) from other countries.

Poster Exhibition.—An International Exhibition of Artistic and Coloured Posters will be held at St. Petersburg next November by the Imperial Society for the Encouragement of Art. The Princess Eugenie of Oldenburg, who takes a great interest in the exhibition from an artistic point of view, has written to the British Ambassador, asking him to make the exhibition known in England, and Sir Nicholas O'Conor will therefore, perhaps, furnish applicants with details. Although the object of the exhibition is entirely an artistic one, firms of large advertisers who possess striking posters might no doubt find it to their advantage to send some specimens of the latter to an exhibition where they will certainly be well looked at, and the name of the speciality thus incidentally impressed upon the memory.

The Greek Soap-industry.—In the last three years the value of the soap exported from Greece has risen from 12,000*l*. to 28,000*l*. There are (or were before the war, when our Consul wrote the report from which we quote) thirty-seven soap factories in Greece, and the value of the plant employed was 45,625*l*. The total amount of soap produced last year was 8,125 tons, of which 1,850 tons were exported. The import of soap into Greece, except sanitary and perfumed soap, is very small, and the total of all soap imported (including high-class toilet-soap) sank from 58 tons in 1890 to 53 tons in 1895. The Greek Government has refused to permit the importation from abroad of olive refuse for making green soap, on account of the fear of introducing phylloxera into Greece. The demand for olive refuse is larger than the native supply, and importation is only permitted from the islands of the Archipelago and one or two ports in Asia Minor.

Philadelphia College of Pharmacy.—The chair of botany and materia medica in this college, vacant through the death of Professor Bastin, has been divided, Dr. Henry Kraemer, of Chicago, being appointed professor of botany, and Dr. Clement B. Lowe professor of materia medica and physiology. Dr. Lowe, who performed the duties of the chair during Professor Bastin's illness, has been assistant to Professors Maisch and Bastin in succession since 1887. Dr. Kraemer is in his thirtieth year. He is an alumnus of the college, acted as assistant to Professor Sadtler (in chemistry), then went to the New York College of Pharmacy as instructor in pharmacognosy, and in 1895 was appointed to succeed Professor Bastin in the chair of botany and pharmacognosy at the North-Western University School of Pharmacy, Chicago. He has but recently entered upon the duties of this chair, and he spent a year at Marburg University immediately after his appointment.

American Varnish.—At a recent meeting of the New York College of Pharmacy Mr. Edward Kemp, the President, made rather a significant speech. "Some years ago," said he, "all the varnish used by manufacturers of fine goods in the United States was imported from England. Two or three years ago I happened to be abroad, and ordered two or three carriages to be shipped for my own use. In going around among the carriage-makers they would say, 'Look here, Monsieur, all these carriages are coated with American varnish.' They said they no longer used English varnishes, and that American goods in that line were the best in the world. It seems that an American company resolved to manufacture a varnish equal in all respects to the English, and, believing that the secret of the superior quality of the gum used must be known to science, went to the president of Harvard College and asked him for an expert on the subject. He sent a young man to them in due time, and that man has made a great success in the varnish industry, and has brought credit upon American manufacturers all over the globe."

Chemical Society.

LAST week's meeting was devoted for the most part to physical chemistry. Mr. Holland Crompton was expected to read three papers containing some revolutionary views on the subject of solution, and there was a strong contingent of the younger chemists present. The first paper was entitled

The Theory of Osmotic Pressure and the Hypothesis of Electrolytic Dissociation.

The author began by a short exposition of the modern theories of liquids and solutions. When the substances in solution—the "solutes" as he called them—and the solvents are in the state of chemical molecules, the solution is a normal or monomolecular one. Very often, however, the solvent—*e.g.*, water—has its molecules in a compound or "associated" state. He has found that Van't Hoff's view, that the osmotic pressure of the dissolved substance is in dilute solution equal to the pressure which the substance would exercise in the same volume if in the gaseous state, is applicable when both the dissolved substance and the solvent form normal or monomolecular liquids. It may also apply if both liquids are associated. But if the dissolved substance is associated and the solvent is monomolecular, the osmotic pressure is then smaller than the theoretical, and becomes inversely proportional to the factor of association x_1 of the dissolved substance. If the solvent is associated and the dissolved compound is monomolecular, the osmotic pressure is greater than the theoretical, and is directly proportional to the factor of association x of the solvent. If the solvent has also an abnormal vapour density, the factor of association of the vapour being a, the osmotic pressure is directly proportional to x/a. An expression connecting the latent heat of fusion, the melting-point, and the density at the melting-point was deduced by the author similar to the Trouton formula for liquids, and from this he concluded that exceptions to Van't Hoff's formula for the molecular reduction of the freezing-point appear whenever association of either the dissolved substance or the solvent takes place. He supposes that connection exists between the specific inductive capacity of a liquid and its power of promoting electrolytic dissociation, and showed that it is only associated liquids that have high specific inductive capacities, which factor is approximately proportional to the cube of the factor of association of a liquid. Conductivity depends therefore not on the degree of electrolytic dissociation of the dissolved substance, but on the degree of association of the solvent. He also advanced the view that electrolytes are salts in the monomolecular fluid state in solution in associated solvents.

The second paper was on the

Molecular Rotations of Optically Active Salts.

A fact which is usually quoted as strong evidence in favour of the hypothesis of electrolytic dissociation is that salts which contain a common optically active ion—either positive or negative—exhibit, in sufficiently dilute aqueous solution, the same equivalent rotatory power. If, however, electrolytes are salts in the monomolecular fluid condition, as Mr. Crompton thinks, the observed regularities indicate that monomolecular salts which contain a common optically active radicle have the same equivalent rotation. He showed that these peculiarities are also exhibited by the amylic salts of certain organic acids, when these are examined in the free state and not in solution in any solvent. As electrolytic dissociation is in this case entirely out of the question, the hypothesis becomes an unnecessary one in other instances.

The third paper dealt with the

Heats of Neutralisation of Acids and Bases in Dilute Aqueous Solution.

The author by an ingenious deduction from Thomsen's work showed that if acids and bases in dilute aqueous solution are monomolecular compounds, the heat of neutralisation of any acid by one and the same base is a constant quantity, and *vice-versâ*. An ingenious explanation of the particular case when HO is the negative radicle and water is formed was offered—*viz.*, that in solution while the acid, base, and salt are in a condition comparable with that of their vapours, the water which is formed in the reaction must be transformed from that state to the liquid state of the solvent by which it is surrounded. This implies that the heat of neutralisation of an equivalent of an acid by an equivalent of a base in aqueous solution contains as main factor the heat of condensation of a molecule of water.

The Discussion

on the papers was opened by Professor Crum-Brown, a past-President, who is not often seen in London, and who was warmly received. He reserved an opinion till he could give the papers the very full consideration which he said they deserved.

Mr. Pickering considered Mr. Crompton's application of a general principle which has been established in organic transformations to similar transformations in inorganic solutions to be both legitimate and ingenious. The simplicity of the principle in organic substances depends, he said, on the fact that these substances are nearly saturated compounds, and in dilute solutions of inorganic compounds we are probably dealing with similarly saturated compounds. Speaking of the consancy of the heat of neutralisation, he recalled the fact that he some years since showed that this was based on chemical grounds, and had nothing to do with dissociation. It was a question of residual affinity.

Mr. Whetham was not satisfied with Mr. Crompton's rejection of the electrical theory of dissociation, and asked him how he explained the phenomena of electrical conductivity. On the theory that the ions were free from each other, the observation that the conductivity of a dilute solution varied as the concentration was at once explained. The alternative supposition, that the ions worked their way through the solution by means of a continual series of interchanges between the opposite parts of molecules at the instants of collision, would lead to a different result, for the frequency with which such collisions would occur, and therefore the ionic velocities, must vary as the square of the concentration, and since the conductivity depended on the product of the number of ions and their average velocity, it would be proportional to the cube of the concentration. The fact that the velocity of an ion in dilute solution was independent of the other ion present seemed to favour the idea of dissociation. The successful calculation of potential differences at the contact of two solutions on this assumption must also be remembered, and such phenomena must be explained before the dissociation theory could be abandoned.

Dr. Shields was also unconvinced, and he soon covered the blackboard with formulæ tending to prove that the osmotic pressure must be uninfluenced by the degree of association of the solvent. He also mentioned substances like KCl and $CaCl_2$ which give two and three times the calculated pressure respectively, and asked how Mr. Crompton explained them.

Mr. Crompton's reply dealt with the points raised very shortly. He said his paper was meant rather to open a new point of view than to settle all the disputed points.

The next paper on the list was by Mr. A. E. Tutton, on

A Comparative Crystallographical Study of the Normal Selenates of Potassium, Rubidium, and Cæsium.

His main conclusions are that the whole of the morphological and physical properties of the crystals of the rhombic normal selenates of potassium, rubidium, and cæsium are functions of the atomic weight of the alkali metal present. The characters of the crystals of isomorphous series are functions of the atomic weight of the interchangeable elements, belonging to the same family group, which give rise to the series.

Dr. Gladstone congratulated the author on his careful work, and expressed his gratification that Mr. Tutton's results corroborated his own work of many years ago.

The relief of the evening was now afforded by a short paper on

The Platinum-silver Alloys; their Solubility in Nitric Acid.

This was by Mr. John Spiller, who is an ardent photographer. He found that platinum-silver alloys would not dissolve as the text-books say they should. Accordingly he

had made definite alloys of these metals, and treating them with pure nitric acid he found that no more than 1 per cent. of platinum in the mean could be dissolved with the silver. As the text-book makers were not there to support their statements, Mr. Vernon Harcourt threw some doubts on the exact composition of the alloys; and Mr. Friswell suggested that the old statements were due to the use of nitric acid containing sulphur.

The remaining papers (it was now 10 25) were taken as read, and the meeting adjourned to June 3.

Legal Reports.

SALE OF FOOD AND DRUGS ACT.

Analysts may not Assume.

In the case of Smith *v.* Jeffreys, heard last week in the High Court by Justices Day and Lawrance, on a case stated by the Wilts County Justices, the decision turned on the form of the summons. Some whisky had been bought which was 35 per cent. under proof, the lowest proportion allowed without special explanation being 25 per cent. The defendant was charged with having sold whisky containing added water. The defendant's evidence was to the effect that no water had been added, and that the reduction of strength was due to the fact that the whisky sold had been drawn from the bottom of a cask which had been standing in a basin to settle, and that the spirit had evaporated. The Magistrates dismissed the summons, and the prosecution appealed. The Court said the Magistrates were right. The summons against the respondent was for selling whisky with 10 per cent. of added water. There was no proof of this having been done. Whether it would have been otherwise if the charge had been that of selling an article not of the nature and quality demanded, their Lordships would express no opinion.

Adulterated Beeswax.

At Birmingham Police Court, on May 21, Alfred Redshaw, chemist, of 97 Saltley Road, was summoned for selling beeswax containing 25 per cent. of paraffin-wax and 3 per cent. of resin. The defendant stated that the wax was not sold for medicinal purposes, and as this was the first case, and as defendant did not dispense medicine, a fine of 1*s.* and costs was imposed.

THE ORIGINAL MAKERS.

In the action of Lea & Perrins *v.* Courtenay, which came on before Mr. Justice Romer on May 21, Mr. Neville, Q.C., on behalf of the plaintiffs, asked for an injunction to restrain the defendants from holding themselves out as the "only original makers" or as "the original makers" of Worcester sauce. He admitted that anyone could use the name "Worcester Sauce," but he submitted that defendants had no right to represent themselves as the original makers, or the only makers of the original sauce. The advertisement complained of was handed to his Lordship, but not read, and his Lordship said it was clearly objectionable. Mr. Sebastian, for the defendants, said the plaintiffs had known what the defendants were doing for at least three years and that as soon as defendants' attention was called to the matter by proceedings, they at once amended the advertisement to make it read that the defendants were "the only manufacturers of a high-class Worcester sauce at a reasonable price." It was ultimately arranged that the defendants should not reissue the advertisement complained of, and it was suggested that probably some arrangement would be made for settling the action.

"HELM" COCOA.

Mr. Justice Stirling, in the Chancery Division, on May 22, heard the applications *in re* Nederlandsche Cacao Fabrik trade-marks and *in re* Armour Packing Company trade-marks. The two summonses came before the Court a fortnight since, but were then ordered to stand over so that affidavits might be furnished to the Comptroller of Trade-marks. The first application was to rectify the register with regard to marks belonging to the Armour Packing Company, of New Kansas, America; and the second application was to place on the register the trade-mark of the Nederlandsche Cacao Fabrik Company, of Helmont, Holland. Mr. Moulton, Q.C., and Mr. John Cutler appeared for the Cocoa Company; and Mr. Ingle Joyce for the Board of Trade. The Armour Packing Company had been served with a notice that this applicati on would be made, but they did not appear.

Mr. Moulton said the Armour Packing Company had registered three marks in Class 42, but they had never manufactured or sold cocoa, chocolate, or similar articles, and it was proposed to rectify the register by excluding therefrom cocoa, chocolate, and articles of similar kind, so that the Nederlandsche Company might register their "Helm" or "Helmet" mark as their trade-mark in respect of the goods so excluded. The Registrar had held that the proposed mark of the continental company was too much like that of the American company for it to appear in the same class relating to foodstuffs.

His Lordship, having ascertained that due notice had been given to the Armour Company, said he would make the order, but, by way of precaution, before it was actually drawn up notice should be given to the agent of the Armour Company in this country, so that he might have the opportunity of raising any objection. The rectification would except cocoa and chocolate or preparations of cocoa and chocolate.

Mr. Moulton then moved that the Nederlandsche Company's "Helm" mark should be registered.

Mr. Ingle Joyce said a fresh application should be made.

His Lordship ordered that a proper application should be made to the Comptroller.

PULLEN *v.* BRITISH MEDICAL CAPSULES COMPANY (LIMITED).

In the Chancery Division on May 21, before Mr. Justice Romer, Mr. Neville, Q.C., moved, on behalf of the plaintiff in this action, for an injunction restraining the defendants from fraudulently passing off their goods as the goods of the plaintiff's. Mr. Buckmaster (who appeared with Mr. Levett, Q.C., for the defence) asked that the motion might stand over for a week, as his clients had given notice of motion to rectify the register of trade-marks by the removal of the plaintiff's trade-mark. Mr. Neville said he was not that day going on the trade-mark, but on what he alleged was a case of gross imitation of the plaintiff's goods.

Mr. Buckmaster suggested that an account might be kept, but Mr. Neville could not accept that. The question, he said, was one of label. W. J. Rendell was the plaintiff's trade-name, and he had obtained several injunctions against people who sold these things, but had only now found out who made these goods. He handed up boxes of the plaintiff's and defendants' goods.

Mr. Justice Romer: Is one of these yours and the other the defendants'?

Mr. Neville: Yes.

Mr. Justice Romer: Oh!

Mr. Buckmaster said the defendants' case was that that get-up and that name were, and had been for many years, in common use, and that the public had got in the habit of asking for these goods under a certain name which was common to everybody who made them. He also said that the plaintiff had known the defendants were making these goods since 1895, and had taken no steps until now.

Mr. Neville contradicted this statement. The present plaintiff, he said, was the successor in business of W. J. Rendell, the first maker of these things. The defendant company, he alleged, consisted of two ladies, whose husbands (as they said) were managers of the business. One of them had a receiving order against him and the other was a bankrupt, and this business was being carried on in a private house in the Euston Road, which was the registered office of the company.

The affidavits in connection with the case having been read,

Mr. Levett, Q.C., said that the name of Rendell had become as well known to the trade as "Singer's" was to the sewing-machine trade.

Mr. Justice Romer said the plaintiff would succeed at the trial unless the defendants could prove that there was an

assent to the use of the plaintiff's name. He granted an injunction, the plaintiff undertaking in damages. He was not granting an injunction to restrain the use of the word "Rendell," but one in a general form to restrain the defendants from selling these articles in such form as to induce people to suppose that the pessaries were of the plaintiff's manufacture. The costs would be costs in the action, and the trade-mark action would stand over and go into the witness list.

COUNTY-COURT CASES.

A Druggist's Difficulties.

In the City of London Court, on May 20, Mr. Louis H. Falck sought to have Mr. Edward Hermes, 6 Farleigh Road, Stoke Newington, committed to Holloway Gaol for the nonpayment of 21*l.* 0*s.* 2*d.* due. The plaintiff said that the defendant was a druggist. The defendant said he had been. He was now out of employment, and had been so for three months. He owed three quarters' rent. The plaintiff said that the defendant had paid before under orders of committal. Mr. Commissioner Kerr said that was no reason for making an order against the defendant. There was no evidence of means, and he could make no order.

The Bailiff's Blunder.

At Colne County Court, on May 18, the Chemists' Co-operative Society (Limited) claimed 50*l.* damages from Richard Heyworth, painter, Colne, for illegal and improper execution levied on their premises at the instance of the defendant, or in the alternative damages for trespass. The defendant, it appeared, had obtained a judgment against one Goodall, a hatter, of Colne. The Chemists' Co-operative Society's premises adjoined those of Goodall, the hatter, and over the chemist's shop was the title, "Goodall's Drug-stores," under which style the business was formerly carried on. The bailiff went into the chemist's shop about 7 P.M. on a Saturday evening, when many people were about, and the plaintiffs alleged that they sustained great damage in consequence. It was stated, however, for the defence that when the manager of the Society told the bailiff he had made a mistake he at once withdrew. The Judge said there was no case as to wrongful execution. He left the question of trespass to the jury, who held that there was no trespass. A verdict was accordingly entered for defendant, with costs.

Wine-merchants and Infants' Food.

At Croydon County Court on May 25, before Judge Lushington, Mr. T. K. Peat, a wine and spirit dealer, of Upper Norwood, brought an action against Buchanan, Sons & Foster for 275*l.* for damages for alleged false and fraudulent representation. The plaintiff said that one of the defendants' travellers called upon him, and, by representing that his was the firm which supplied Buchanan's whisky to the House of Commons, induced him to give an order for a gross of tins of food. The order was executed on January 26 last, and the invoice for 10*l.* odd was marked "Sole sale for Upper Norwood and district from this date." Three days later he discovered that Mr. Hill, an oilman, was selling the same food a few doors off. He wrote to the defendants, stating that Buchanan, Sons & Foster were not the whisky-distillers as their traveller had led him to believe, and that a neighbour of his sold their food. Under those circumstances, he said, he intended sending the food back, and he did so, but the defendants refused to accept it. Moreover, at the previous sitting of the Court they had obtained judgment for the amount of their invoice. Mr. Peat said that the traveller distinctly told him that only wine merchants were supplied with their food, as grocers did too much "cutting." The defendants' traveller referred to denied making the statements imputed to him. As a fact, until this case cropped up he had never heard of Buchanan's whisky. He did say grocers were very "cutting." When he told the plaintiff he would be sole agent he had not inquired of Mr. Hill whether he had any of the food in stock. His Honour, in summing up, said that in an action for breach of contract and fraudulent misrepresentation the plaintiff to recover must make good one or other of the charges, and further prove that he had suffered by reason of the breach or misrepresentation. The jury found that the defendants had committed a breach of contract without fraudulent intent, and that the goods were valueless to the plaintiff for sale in that district, and they assessed the damages at 10*l.* Judgment accordingly, with costs.

Bankruptcy Report.

Re Benjamin Shakerley, Penzance, Chemist.

This debtor applied for his discharge at the Truro Bankruptcy Court on May 22. In supporting the application, Mr. Bodilly stated that the bankrupt began life in Penzance under the happiest auspices, but his unbusinesslike habits had brought about this failure. He is still a young man, and has a wife and four children dependent upon him. Through his own fault he has sacrificed his excellent business position and good name.

His Honour suspended the discharge for two years.

Deeds of Arrangement.

Hutton, Alfred Thorne, Barnstaple and Fremington, veterinary surgeon and farmer. Trustee, Henry Barrett, Barnstaple, C.A. Dated, May 13; filed, May 18. Liabilities unsecured, 346*l.* 12*s.* 8*d.*; estimated net assets, 950*l.* The following are scheduled as creditors:—

	£	s.	d.
Andrew, G. T., Barnstaple	12	0	0
Barnard & Co., Norwich	12	0	0
Berry, S., Barnstaple	20	0	0
Burgess, H., Barnstaple	22	0	0
Croot, Martin, Barnstaple	45	0	0
Hills & Co., London	34	0	0
Municipal Charity Trustees, Barnstaple	15	0	0
Shapland & Petter, Barnstaple	70	0	0
Symons & Son, Barnstaple	43	0	0
Yeo, W., Instow	10	0	0

Wilkinson, Arnold, Main Street, Ingleton, chemist and druggist. Trustee, Cornelius Wheawill, 1 Imperial Arcade, Huddersfield, C.A. Dated May 17; filed, May 22. Liabilities unsecured, 167*l.* 3*s.*; estimated net assets, 250*l.* The following are scheduled as creditors:—

	£	s.	d.
Ayrton & Saunders, Liverpool	15	0	0
Bailiff, J. T., Kirkby Lonsdale	59	0	0
Clay, Dod & Co., Liverpool	40	0	0
Hirst, Brooke & Hirst, Leeds	37	0	0
Wilkinson, George H., Huddersfield	12	0	0

Gazette.

PARTNERSHIPS DISSOLVED.

Taplin, B. D., and **Benjamin, J. K. K.,** under the style of Taplin & Benjamin, Dorrington, surgeons and general medical practitioners.

White, J. F., and **White, F. A.,** under the style of J. F. White & Co., Leeds, druggists and wholesale and retail manufacturing and dispensing chemists.

The Examination of Mummies.—A new use has recently been made of the Röntgen *x* rays by Dr. Dedekind, curator of the Egyptian Section of the Vienna Museum of History and Art. That gentleman desired to know whether a mummy in the museum was that of a human being or an ibis. The mummy showed the shape of that of a human one, but the outer cloth contained inscriptions indicating that it was that of the bird named. By exposure to the Röntgen rays the bones within the mummy were shown to be those of the ibis, and thus the identity of the object was established. It is suggested that the same means may be employed for discovering whether mummies are genuine or not, as spurious ones made of resin are often met with.

New Companies and Company News.

Compagnie Vimbos Franco-Belge (Limited).—Capital 145,000*l.*, in 1*l.* shares. To enter into an agreement with John Woodyatt and Comte de Montbrun, and to carry on in France and Belgium the business of manufacturers of and dealers in the fluid and concentrated essence or extract of beef known as "Vimbos," and other foods and products

Royd (Limited).—Capital 2,000*l.*, in 1*l.* shares. To acquire, manufacture, and deal in certain proprietary and special processes, and to carry on the business of chemists, druggists, drysalters, brewers, malsters, wine and spirit merchants, and manufacturers of and dealers in aërated and mineral waters. Registered without articles of association.

B. F. Moise (Limited).—Capital 10,000*l.*, in 1*l.* shares. To prepare, manufacture, import, export, produce, buy, sell, and deal in all kinds of perfumes, soaps, toilet articles, stationery, fancy and proprietary articles, sweets, drugs, herbs, flowers, essences, and chemicals. Among the subscribers are Benjamin F. Moise, manufacturing-perfumer, and George Gaskell, chemist, both of 9 Butler Street, E.C., the rest being clerks. The first directors are Benjamin F. Moise, Edward Bidelaux, Frederick C. im Thurm, and Emile Chadoux.

Cadett & Neall (Limited).—Capital 75,000*l.*, in 1*l.* shares. To enter into an agreement with James W. T. Cadett and Walter Neall for the acquisition of the business carried on by them at Ashtead, Surrey, and to carry on the business of manufacturers of photographic dry-plates, papers, films, and other articles used in photography, and ice and chemical manufacturers, electricians, mechanical engineers, printers, publishers, &c. The first directors are James W. T. Cadett, Walter Neall (managing directors), and Henry Neall. Registered office: Crampshaw Works, Ashtead, Surrey.

Formalin Hygienic Company (Limited.)—Registered office, 10 St. Mary-at-Hill, E.C. Agreement, dated April 6, 1897, made with August and Charles Zimmermann, trading as merchants, at 9 and 10 St. Mary-at-Hill, E.C., as A. & M. Zimmermann, provided for the sale to the company of the business of the Formalin Hygienic Company carried on by the said Messrs. Zimmermann for the promotion of the sale of "Schering's formalin," manufactured in accordance with the description contained in English letters patent, No. 7038 of 1893, in consideration for the allotment of 2,000 fully-paid shares of 1*l.* each, Nos. 8 to 2,007 inclusive. The vendors were also appointed managers of the company. Agreement, dated April 6, between the Chemische Fabrik auf Aktien, vorm. E. Schering (a German joint-stock company) of the one part, A. & M. Zimmermann of the second part, and the company of the third part, provided for the sale by the German company to the English company of patent No. 7038 of 1893 for "a new antiseptic material," and patent No. 2667 of 1896 for "improvements in disinfecting and in apparatus therefor," and the right to use the same in the U.K., all British colonies, and the empires of China and Japan, and also the right to sell in the same countries, "formalin," "glutol," and "paraform," in consideration for the sum of 2,000*l.* in cash, to be increased to 2,500*l.* under certain circumstances. (The latter agreement also gives prices at which above goods are to be sold to the English company and all the conditions, &c.).

The Fullers' Earth Union (Limited).—The directors recommend a dividend of 2 per cent. for the year ended March 31, carrying forward a balance of 1,308*l.*, as against $1\frac{1}{2}$ per cent. and a balance of 1,322*l.* carried forward on March 31, 1896.

J. C. & J. Field (Limited).—The report for the year ended March 31 last shows a disposable balance of 20,101*l.* The directors recommend a dividend of 5 per cent., writing 7,000*l.* off goodwill, placing 1,500*l.* to the reserve, and carrying forward 1,028*l.*

Tower Tea (Limited).—The directors' first annual report shows a profit available for dividend amounting to 8,767*l.* Of this, as required by the articles of association, 2,342*l.* 9*s.* 11*d.* is placed to reserve fund, 792*l.* 9*s.* 11*d.* is appropriated as extra remuneration to the directors, and the ordinary shareholders get a dividend at the rate of $9\frac{1}{2}$ per cent. All the preliminary expenses of forming the company for which the company was responsible have been paid out of the profits.

The Colombo Apothecaries' Co. (Limited).—The first annual meeting of this company was held at Colombo, Ceylon, on April 22. Mr. E. Booth presided, and moved the adoption of the report and accounts. The gross profit on sales was well in advance of the same item last year, and the available balance of 37,324 91r. was against a balance last year of something over 27,000r., which was a very satisfactory difference on the right side. The stock-in-trade was 48,000r. in excess of last year. This increase has been necessitated by an increase of business. An expenditure had been made of 2,500r. on fittings and furniture, chiefly for improvements in the drapery department. During the year it had been found necessary to close the dental department, as it was not profitable, and the space had been given with great advantage to other departments. The photographic department had been cramped for space, and the directors had therefore decided to acquire the business of Messrs. Scowen & Co., Kandy, and to take over their stock-in-trade. It was hoped that in a short time the business would be a very paying one. A dividend of 10 per cent. was subsequently declared, and Messrs. W. S. T. Saunders and C. W. Horsfall were re-elected directors.

Brunner, Mond & Co.—The annual meeting of this company was held at Liverpool on May 25, Sir John T. Brunner, Bart., M.P., presiding. The report of the directors showed a profit balance on the working of the nine months ended on March 31, 1897, of 232,910*l.* 15*s.* 9*d.*, which, with the amount of 95,943*l.* 14*s.* 9*d.* brought forward from June half-year, 1896, makes a total of 328,854*l.* 10*s.* 6*d.* The directors propose to deal with this balance as follows:—Interim half-yearly dividend on the preference capital at 7 per cent. per annum, paid on February 27, 1897, 19,393*l.* 16*s.* 8*d.*; dividend now to be paid on the preference capital at 7 per cent. per annum, 10,289*l.* 5*s.* Interim half-yearly dividend on the ordinary capital at 20*s.* per fully-paid share and 7*s.* per partly-paid share, paid on February 27, 1897, 95,084*l.* 1*s.*; dividend to be now paid on the ordinary capital at 25*s.* per fully-paid share and 8*s.* 9*d.* per partly-paid share, making 30 per cent. per annum for the nine months, 118,855*l.* 1*s.* 3*d.* Amount to be written off patents account, 500*l.* Balance to be carried forward, 84,732*l.* 6*s.* 7*d.* The Chairman said it was a source of great satisfaction to the directors that they had been able to send to the shareholders a balance-sheet of the character they had received. Considering the state of business in the United Kingdom during the past nine months, the result was a most remarkable one. There had been new competitors in the trade who had apparently forced their way into the market without consideration of where the market prices would go, and the result had been that in the United States alkali had been sold at a lower price than had ever been reached during his experience. In explaining some of the details of the report, the Chairman said that during the past nine months they had bought three mining leases in North Wales. These mines, which might be called zinc mines, also produced lead ores. They would, he said, by Dr. Carl Huffner's process, which they had adopted, be able to make use of waste residuum liquor which had hitherto not been utilised. They expected to obtain from these mines suitable ores at prices considerably below what they would have to pay for such ores in the open market. A sum of 96,635*l.* had been spent in three directions—namely, in the plant necessary for this process; in entirely remodelling the works they bought in the year 1895; and also on other accessory manufactures which they carried on mainly at Winnington, and of which probably most of them had heard little, although they contributed to their prosperity to a considerable degree. He also mentioned that they had recently completed the purchase of the works belonging to the Cheshire Alkali and Salt Company, at Middlewich, and they were also completing the purchase of Messrs. Bell Brothers' works, near Middlesborough. They had also acquired a considerable freehold estate, and valuable salt rights in connection with the same works. In the opinion of the directors these purchases were necessary

for strengthening the position of the company. Mr. C. J. Galloway seconded the adoption of the motion, which was carried unanimously. Subsequently the following retiring directors were re-elected:—Mr. H. Coghill, Dr. Hewitt, Mr. Gustav Jarmay, Mr. Ed. Milner; and Messrs. Fernand Van der Stracten (of Solvay & Co.), Mr. Hugh Bell, J.P., and Mr. Robert Ludwig Mond, M.A., son of Dr. Mond, were elected as additional directors.

Trade Notes.

Messrs. Ayrton & Saunders are now putting up floral sachets of various distinctive odours with the chemist's name printed on them in gold letters on delicately tinted envelopes.

Messrs. Duncan, Flockhart & Co., of Edinburgh and London, have extended their premises on Snow Hill, E.C., by taking in the offices at No. 39, which will be used as a warehouse entrance.

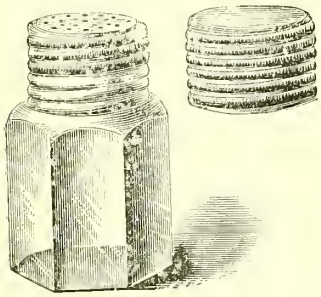
Mr. William Shepperson, formerly the managing director of the Liquor Carnis Company (Limited), and latterly the proprietor of the business, informs us that he has during this week completed the sale of the rights in liquor carnis, malto-carnis, virol, marrol, and subsidiary preparations to Bovril (Limited).

Digestive Tea.—In writing last week about the digestive tea made by Messrs. J. A. Martin & Co., 70 London Road, Southwark, S.E., we said that it did not seem to be chemically treated, because it did not look like it. We are, however, assured that it is so treated by a process devised by Mr. Frederick Davis, which must be clever, as it leaves no trace behind.

Sanitas Disinfectant Soap.—The Sanitas Company (Limited), Bethnal Green, E., have just brought out a powerful disinfectant soap for laundry and similar purposes. It is in bars of the "Sunlight" pattern, and we find it to be not only of highly agreeable sanitas odour, but an excellent detergent soap. Chemists should secure a share of the sale of this soap, which retails at 3*d.* per bar.

Messrs. Lorimer & Co.'s price-list for May has come to hand. It is a big thing—82 pages and cover. Fifty-seven pages are devoted to chemists' specialities and household specialities, this section being splendidly illustrated with woodcuts of the more important items. Then follows a drug-list. Any chemist in business can get a copy of the list by writing to the firm at Britannia Row, Islington, N.

Messrs. E. Bentley & Son, of Bath Street, City Road, E.C., send us a specimen of their new patent dredger for iodoform and other powder. The dredgers will be found extremely useful, not only for medicinal use in the application of iodoform, boracic acid, and other powders, but also for applying boot-powders and the like. The patent consists in the mode of fastening the dredger with a metal screw-cap closing over the ordinary perforated top. This prevents waste or loss of medicinal activity by volatilisation, and enables the user to carry the dredger about without discomfort when travelling. The price is moderate, and the dredger is well made.



The Sen-Sen Company, of Farringdon Avenue, E.C., offer to forward to any chemist, who sends them postal orders for 6*s.*, forty 3*d.* packets of "Sen-Sen" and forty free samples. "Sen-Sen" is a "throat-ease and breath-perfume." It is a diamond-shaped, brownish-black cachou, of delightful flavour, and containing some stearoptene, which has a nice effect upon the throat. One of the diamonds used before smoking gives a new flavour to the tobacco. "Sen-Sen" is a good novelty, and there should be a big sale for it.

Honey Fly-gum.—Messrs. Tunbridge & Wright, of Reading, are now giving a big sixpennyworth of their honey fly-gum, the tin having been almost doubled in size. It should be a good article to sell, for besides being useful for catching flies in houses, it is largely used in gardens and orchards for putting circles round trees, in accordance with the advice of the Board of Agriculture. We once, in our innocence, recommended sticky fly-papers to be used for this purpose, but fly-gum is just the thing, and it will catch enough earwigs and other crawling things on rose and fruit trees to make the tender-hearted shudder. Spread on string there is enough in the box to give a safe resting-place to a thousand flies. The gum is neatly put up.

The Illustrated Catalogue of Glass Bottles which Messrs. Kilner Brothers, King's Cross, N., have published this week is a sumptuous affair. It extends to sixty-four pages, is without prices, and contains a number of features not usually seen in such publications. We notice on one page, *e.g.*, illustrations of the different styles of lips (or rings) of bottles; we count twenty-one, and it can be seen at a glance which kind of lip is most suitable for a particular purpose. Each lip has its own name—*e.g.*, "funnel mouth," "capsule ring," "thin brim," "capital," and "medical lip." Mineral-water bottles and boxes, syphons, wholesale-druggists' bottles, dispensing bottles, shop-rounds, and feeding-bottles are amongst the specialities illustrated. A screw-stoppered dispensing bottle is one of the novelties described. We ought to add that the illustrations are excellent woodcuts, as up to date as is the arrangement of the catalogue.

New Books.

Briggs, Wm., and Stewart, R. W. *Elementary Qualitative Analysis* University Tutorial Series. Post 8vo. Pp. 80. Cloth. 1*s.* 6*d.* (W. B. Clive.)

Butterworth, A. K., A. R., and Day, F. H. C. *Law as to Railway Rates and Charges.* Roy. 8vo. Pp. 346. 12*s.* 6*d.* (Butterworth.)

Fernie, W. T. *Herbal Simples approved for Modern Uses of Cure.* 2nd edition. Cr. 8vo. Pp. 676. 6*s.* (Simpkin.)

Greshoff, Dr. M. *Nuttige Indische Planten* (i.e. *Useful Indian Plants*). With an Introduction by Dr. J. G. Boerlage. Part III. Extra Bulletin of the (Dutch) Colonial Museum, Haarlem. 4to. Paper wrappers. With litho. Plates. Pp. 81-129.

Hauer, Martin. *Die feineren Toiletteseifen und ihre Fabrikation in Deutschland, England und Frankreich.* 1.80m. (Bernh. Frdr. Voigt, Weimar.)

Hirsch, Dr. B., and Siedler, Dr. P. *Die Fabrikation der künstlichen Mineralwässer und anderer moussirender Getränke* (i.e. *The Manufacture of Artificial Mineral Waters and other Effervescent Beverages*). 8vo. Paper wrappers. Pp. xii. and 393. With Illustrations in the Text. 8m. (F. Vieweg & Sohn, Brunswick.)

Deaths.

Cardwell.—On May 20, after a brief illness, Councillor James Cardwell, chemist and druggist, Bread Street, Wakefield, and Deputy-Mayor of that city. The deceased was 58 years of age, and leaves two daughters and two sons.

Ford.—On May 4, Mr. Joseph Ford, chemist and druggist, London. Aged 79.

Hemingway.—On April 14, at Storrington, Mr. Walter Hemingway, retired pharmaceutical chemist. Aged 79. The deceased gentleman was formerly a partner in the firm of Messrs. A. & W. Hemingway, of Portman Street.

Law.—On May 20, at Barnard Castle, Mr. F. W. Law. Aged 55. Mr. Law was for some time in partnership with Mr. Graham, chemist and druggist, Barnard Castle. He was a well-known greyhound breeder, a prominent Freemason, and a member of the old Local Board.

Sturges.—On April 30, Mr. William Thomas Sturges chemist and druggist, London. Aged 61.

Walters.—On May 5, Mr. John Walters, chemist and druggist (Mod.), late of Brecon. Aged 50.

Wilson.—On May 21, at 94 Falkner Street, Liverpool Mr. William Wilson, for many years with Mr. John Thompson, wholesale druggist, Hanover Street, Liverpool. Aged 48.

Personalities.

Mr. Samuel W. Fairchild, of New York, is now in London.

Mr. Charles T. Sellens, chemist and druggist, of High Street, Lydd, has been elected as borough auditor.

Mr. J. Fletcher, chemist and druggist, Ashby, Lancs, has been elected a member of the local School Board.

Mr. R. H. Richards, chemist and druggist, Plymouth, was the winner of Lorimer & Co.'s 20*l.* prize for the chemists' speciality.

Mr. J. Langdon Roper, having obtained his L.D.S. Eng., has joined his brothers, Messrs. R & F. Roper, chemists and dentists, 34 Tavistock Road, Plymouth.

Alderman J. Duckworth, Rochdale, Chairman of Boots (Limited), has given the sum of 1,000*l.* to endow a bed at the Rochdale Infirmary in commemoration of the Diamond Jubilee.

Mr. William John Clarke Miller, B.A., the Registrar of the General Medical Council, has, owing to his continued illness, been compelled to resign that office. Mr. Miller had a paralytic stroke last autumn.

Mr. J. G. Saunders (Ayrton & Saunders, Liverpool) has returned from a year's visit to Italy, perfectly re-established in health, and will resume a portion of his old ground, taking up his headquarters at Sheffield.

Councillor W. R. Inglis, chemist and sub-postmaster, Delph, has been elected Vice-President of the recently-formed National Federation of Sub-Postmasters. Mr. J. W. Cussons, chemist, Ossett, is the Honorary Secretary.

Mr. Ernest Hart, writing to the *Medical Press* this week, states that he was co-editor of the *Lancet* at one time. There was a written agreement between the late Mr. James Wakley and him to that effect when Mr. Wakley went to Madeira for the benefit of his health. Mr. Hart is not surprised that the present editors of the *Lancet*, who say he was never co-editor, are not aware of his appointment, because at the time they were not engaged on the paper.

It is not only as a millionaire meat-packer that Mr. Philip D. Armour, of Chicago, will go down to posterity. He has lately extended his activity to the field of biscuits; is, indeed, described as having versed himself in the biscuit situation in all its phases. Mr. Geo. M. Pullman, who also deals in biscuits as well as in palace-cars, has, it seems, in his capacity of part proprietor of the New York Biscuit Company, carried on a prolonged feud with the American company. Mr. Armour stood by Mr. Pullman in that war, and a consolidation of the disputing companies is now in sight. It is thought that the combined businesses will pay well over 9 per cent. dividend. Mr. Armour will be the leading spirit in the concern.

The death is announced of Father Kneipp, the Bavarian priest, whose name is so widely known in connection with his cold-water cure. He had practised it for thirty years in his village of Worishofen, and then wrote a little book introducing it to the world, of which 125,000 copies were sold in a year. His system included decoctions of herbs for internal and external use, and a series of cold-water douche-baths of varying duration, according to the state of the patient. One part of it consisted in walking barefoot in the meadows when the dew is on the grass. By these means a large number of cures are said to have been effected, especially of rheumatism, spinal disease, &c. One of his patients was Baron Nathaniel Rothschild, who arrived with a cook, a secretary, and two servants. Not finding suitably magnificent quarters at Worishofen, he stayed in his private saloon-carriage at the nearest railway station, journeying to the village every day. Father Kneipp was 76.

South African News.

The Owl Drug Company have opened at Eloff's Buildings, Market Street, Johannesburg, under the management of Mr. Philip Hoffe, L.P.S.I., who has practised pharmacy in London, Dublin, Chicago, San Francisco, Natal, and the Transvaal.

A Holiday-trip.—Mr. Merrington, manager of Messrs. Heynes, Mathews & Co.'s wholesale department, has just left for England, on a holiday, in the *Spartan*. Before his departure the staff presented him with a handsome travelling-trunk as a token of respect. Mr. Merrington is expected to return to Cape Town in about three months.

No Drugs for Rinderpest. — Dr. Hutcheon, the Cape Colony veterinary surgeon, in his last report on the rinderpest, points out a somewhat remarkable feature of the disease—viz., that it sometimes makes its appearance in a herd of cattle, and attacks the animals severely for two or three weeks, while later it assumes a much milder form, and there is a comparatively large percentage of recoveries. Therefore, when the farmer administers a particular medicine at the stage when the mild form is assumed, and there are several recoveries, the recoveries are attributed to the medicine used, verifying the old maxim, "That Nature cures, but the physician takes the credit." It is quite a common thing to find that scarcely a single recovery takes place out of the first half of the herd that become affected, while out of the second half 15 or 20 per cent. recover. It is mainly due to these variations in the virulence of the outbreaks and the severity of individual attacks that the multiplicity of cures have arisen. But not one of these cures has stood the test of experience. Dr. Hutcheon does not assert that no medicine does any good in rinderpest, but none of the remedies he has seen tried, or heard of being used, has exercised any marked beneficial influence on the course or character of the disease. If careful statistics could be collected, he thinks it would be shown that when the affected cattle are placed under comfortable shelter from the scorching heat of the sun, kept away from water, given a little nourishing gruel to drink, and kept as quiet as possible, a higher average of recoveries results than where medicines are used.

Medical Men as Pharmacists.—Dr. Te Water is endeavouring to get a Medical and Pharmacy Act Amendment Bill through the Cape Parliament. The chief feature of the Bill is that it permits doctors to open shops and trade like ordinary chemists. Hitherto medical men have only been allowed to dispense drugs to their own patients. The measure came up for second reading in the House of Assembly the other day. In his moving-speech, Dr. Te Water said that it had been a hardship felt by medical men that where two were in partnership they should both be compelled to take out licences annually, and this had been altered. It was provided by clause 6 of his (Dr. Te Water's) Bill that medical men who were associated in this manner should take out only one annual licence, and both be entitled to dispense medicines. There was an important alteration to the effect that medical practitioners, by paying the full licence that was paid by chemists and druggists, might acquire the same privileges to dispense and supply medicines, and certain clauses were introduced for the purpose of preventing the spread of puerperal fever. In the course of the debate exception was taken to the granting of indiscriminate rights to medical men to trade as chemists. Mr. Ross said that he did not object to medical men practising as chemists in small towns, where there were no large chemists' shops; but he did object to their doing so in such places as Cape Town. He knew that some of the Cape Town doctors intended opening chemists' shops on Adderley Street as soon as that Bill was passed. Chemists had to undergo a long course of training, and they ought to have some protection. It was unfair to allow that clause to pass in order to allow doctors to start chemists' shops in opposition to the regular chemists. He would oppose that clause in every possible manner. Ultimately the Bill was read a second time, and the committee stage put down for the next meeting. At a subsequent date the Bill passed through Committee without amendment and was set down for third reading.

Westminster Wisdom.

Workmen's Compensation for Accidents Bill.

The House of Commons is now engaged on the difficult task of considering this Bill in the Committee stage. Before this stage was entered on, Mr. Tennant, who has done good service as Chairman of the Committee on Dangerous Employments, moved an instruction with a view to having provisions inserted to meet the case of injuries to the health of workmen, arising out of and in the course of their employment. The instruction was supported with special reference to the chemical-workers of Lancashire, the lead-workers of Newcastle, and the file-cutters of Sheffield. Mr. Tennant and his friends argued that if the Government were going by their Bill to include even accidents which arose through no one's negligence, but by "the act of God," it was only right that they should include also the cases of persons who had their health injured through the nature of the industry in which they were engaged. On the part of the opponents of the instruction there was very little disposition to dispute this as a logical proposition; but the Home Secretary, Mr. Chamberlain, and others urged that the instruction would so indefinitely enlarge the scope of the Bill that it would probably result in wrecking it altogether; and would put a premium on litigation, owing to the difficulty of proving the connection between the loss of health and the nature of the employment. The instruction was negatived by 233 against 144.

Should all Trades be Included?

The Bill as it stands would apply only to injuries from accident in certain great trades which are specified in the measure. When the Bill got into Committee a strong effort was made to induce the Government to accept amendments to make it apply to all trades. This proceeded chiefly from the Opposition side, but was favoured by not a few private members on the Government side. The Government were steadfast in refusing to comply with the request, mainly on the ground that the novelty of this legislation makes it imperative that the scope of the Bill should be limited in the first instance to trades in regard to which its results are approximately calculable. They have, however, promised to consider proposals to add particular trades to the specific list.

The Parcel Post.

The changes which are to be made in the parcel-post rates are recognised as offering great advantages to traders and the public at large. But there are further modifications which would be welcome. For instance, there is obvious difficulty in sending 1-lb. parcels for the minimum rate of 3*d.*, because of the additional weight of the wrappers, even though the wrappers be merely of paper. Under the circumstances, Mr. Henniker Heaton has asked the Postmaster-General whether, if he cannot see his way to reduce the cost of the carriage of parcels to a minimum of 1*d.* per lb., he will permit 1 lb. to go through the post for 2*d.*, or 2 lbs. for 3*d.*; and, if not, whether he will permit 1½ lb. to go for 3*d.*, so as to allow for packing. The Postmaster-General, however, is not at present able to make any further concession. The weight of the packing, he says, would vary greatly, according to the nature of the articles sent, and it would be impracticable to fix a margin which would be fair to all alike. He soothingly suggests that the changes which have been announced will, to some extent, meet the case by reducing the rate on a parcel between 1 lb. and 2 lbs. from 4½*d.* to 4*d.*

Shop-assistants and the Truck Act.

In reply to Sir C. Dilke, the Home Secretary has stated that the Truck Act does not require him to take any steps to enforce its provisions, so far as it relates to shop-assistants. If he can see his way, however, he will make such friendly suggestions to employers with regard to shops as he has already done in regard to railways.

The Society of Trained Masseuses, which was formed in 1894, has amongst its rules this one:—"No sale of drugs to patients allowed."

Brussels Exhibition.

The British Section of this International Exhibition, which was opened the other day, contains a fair representation of firms directly or indirectly connected with the drug-trade. The following is a list of such exhibits in the different classes:—

Hygiene.

Blondeau et Cie., Malden Crescent, N.W., vinolia soap and other vinolia preparations and perfumes.
The Borax Company (Limited), 41 Eastcheap, E.C., preparations of borax.
F. C. Calvert & Co., Bradford and Manchester, carbolic acid and various preparations thereof.
Cartvale Chemical Company, Paisley, food-preservatives.
J. & J. Colman, Norwich, mustard, starch, borax, and laundry preparations.
J. S. Fry & Sons (Limited), Bristol, cocoa and chocolate.
Fullers' Earth Union (Limited), Billiter Square Buildings, E.C., fullers'-earth preparations.
Patent Borax Company (Limited), Birmingham, antiseptic preparations.
Price's Patent Candle Company (Limited), Battersea, S.W., soaps, glycerine, nightlights, &c.
"Protene" (Patent), Limited, 87 Edgware Road, W., hygienic milk-food.

Pharmaceutical Preparations, &c.

Thomas Bigg, Borough, S.E., veterinary preparations and sheep-dip.
Brand & Co., 11 Stanhope Street, W., invalids' foods, sauces, &c.
Burroughs, Wellcome & Co., Snow Hill Buildings, E.C., tabloids, soloids, Kepler preparations of malt, medicine chests and cases, &c.
W. J. Bush & Co. (Limited), Artillery Lane, E.C., essential oils, soluble essences, and the like.
Cyona Company, 29 Fitzroy Street, W., antiseptic dressings, &c.
S. Denton, Bankfoot, Bradford, hygienic drinks.
European Petroleum Company (Limited), Billiter Avenue, E.C., vaseline preparations.
Tidman & Sons (Limited), Wapping, E., sea-salt and toilet-soaps.

Miscellaneous.

E. Breffit & Co., 83 Upper Thames Street, E.C., glass bottles of all kinds.
Berger & Sons, Homerton, N., paints and varnishes.
Mander Brothers, Wolverhampton, varnishes, &c.
F. Darton & Co., 142 St. John Street, E.C., optical, photo, chemical, and scientific instruments.
Cyclostyle Company, 34 Snow Hill, E.C., copying-apparatus.
Ross & Co., 112 New Bond Street, W., mathematical, optical, and scientific instruments.
Palmer & Co. (Limited), Stratford, E., night-lights, &c.
J. Grossmith, Son & Co., Newgate Street, E.C., soaps and perfumery.
Maypole Company (Limited), 98–99 High Holborn, E.C., "Maypole" dyeing-soaps.
G. F. Sutton & Co., King's Cross, W.C., flavouring essences.
S. Ballard, Colwall, Malvern, malt-vinegar.
Belfast Mineral Water Company (Limited), aërated beverages.
Birmingham Vinegar Brewery Company (Limited), sauces and vinegar.
Spratt's Patent (Limited), Henry Street, S.E., dog biscuits, &c.
Old Calabar Company, Liverpool, dog and chicken foods.
G. Vickers, Angel Court, W.C., inks and gums.

The exhibits are, on the whole, well arranged and attractive. We shall report upon them in a future article.

The College-yell is an unknown art to British pharmacy-students. This is one of the sanest of them:—

Cera alba, turpentine, sandaraca, paraffine,
Jodoformi unguenti, N. Y. C. P. Alumni.

Set that to music of a stirring character, given two hundred throats to bawl it, and one may get an idea of how New York students enjoy themselves.

Reviews.

The Practice of Medicine. A Textbook for Practitioners and Students, with Special Reference to Diagnosis and Treatment. By James Tyson, M.D., Professor of Clinical Medicine in the University of Philadelphia, &c. (Illustrated.) Manchester: John K. King & Son, 161 Brunswick Street. 1896.

Disease takes much the same form in America as in Great Britain, and we should hardly have thought of expecting any justification for the appearance of an American treatise on medicine if the author had not rather pressed the point on our notice. In his preface Dr. Tyson states that no apology is needed for the preparation of the work for English readers, but though we do not demand an apology for its appearance in this country, we cannot refrain from a feeling of curiosity in respect of its *raison d'être* on this side of the Atlantic. While it appears to be a good all-round guide to the practice of general medicine it possesses all the disadvantages, as well as the advantages, of a book representing to a great extent "purely personal work"—that is to say, it is a guide to the author's personal experiences and predilections rather than to current medical opinions. In these days of plagiarism and mere compilation this may be considered a merit, and the author is entitled to that much credit. It is hardly within our province to criticise the medical information contained in this portly volume, extending over close upon 1,200 pages, but in glancing through it one is struck by the fact that no mention is made (in the index at any rate) of such a common complaint as piles, or its *alias* hæmorrhoids. Piles, we are aware, do not constitute a disease *per se*, but they are distressing and obstinate enough to deserve the honour of mention. The index, moreover, leaves something to be desired in other respects. For instance, we observe with some surprise the item of "bed-bug," which also is not exactly a disease. Had we been seeking for it, however, we should have looked simply for "bug." In the same way we have in the index "head-louse" but not "louse." Then again, if the itch insect, bugs, and lice are thought worthy of mention, on what ground does the author ignore mosquito-bites and wasp-stings? There are some ninety illustrations, but with one or two exceptions they do not present any particular excellence calling for special notice. Those who desire a well-printed and clearly expressed handbook to diseases in general, with hints as to treatment, will find this volume answer their purpose very well. It is, moreover, comparatively free from Americanisms of spelling, for which we are disposed to be grateful.

Herbal Simples, Approved for Modern Uses of Cure. By W. T. Fernie, M.D. 2nd edition. Bristol: John Wright & Co.

Dr. Fernie (of Malvern) is an ideal author of such a book as this. He has evidently unlimited patience to grope through old herbals, a wide acquaintance with general literature, a keen interest in his subject, the power to interpret crabbed old English into pleasant modern reading, and, above all, a capacity of belief which in an experienced doctor is little short of marvellous. There is still room for another work on the medicinal virtues of herbs, a severely critical one, in which the well-worn stories of the old herbalists shall be sifted and tested. But such a book would not be nearly so interesting as Dr. Fernie's collection of quaint old legends, philological as well as medical.

Dr. Fernie seems to claim by his title to have made some critical selection of herbalists' lore. His preface, too, assures readers that they may look in his pages for "sound knowledge" "safely determined on sure ground by the help of the accurate chemist." What records he may have rejected we cannot judge; as a specimen of what he has accepted (and we suppose approved), let us take a single ailment, warts, always a favourite object of treatment by herbalists, and note how catholic is the selection. The following methods of cure are quoted:—

"The juice of a sour apple, rubbed on warts pared away to the quick, will serve to cure them." "In Germany ripe apples are applied to warts for removing them, by reason of the earthy salts, particularly the magnesia of the fruit. It is a fact, though not generally known, that magnesia as occurring in ordinary Epsom salts will cure obstinate warts and the disposition thereto. Just a few grains, from 3 to 6, not enough to produce any sensible medicinal effect, taken once a day for three or four weeks, will surely dispel a crop of warts." "The juice of white cabbage-leaves will cure warts." "If the yellow juice [of the greater celandine] is applied to warts or to corns, first gently scraped, it will cure them promptly and painlessly." "The fresh juice [of chickweed], if rubbed on warts, first pared to the quick, will presently cause them to fall off." "In Derbyshire the juice of the stalks [of dandelion] is applied to remove warts." "Lord Bacon commended the rubbing of warts with a green elder stick, and then burying the stick to rot in the mud." "The pulp of Turkey figs in its fresh green state secretes a milky acrid juice which will destroy warts." "An Irish cure for warts is to prick them with a gooseberry-thorn passed through a wedding-ring." "The juice [of the houseleek] is excellently helpful for curing corns and warts if applied from day to day after they have been scraped." "The marshmarigold has been called *Verrucaria* because efficacious in curing warts." "In Italy peach-leaves are applied to a wart, and then buried, so that they and the wart may perish simultaneously." "The leaves [of savin] dried and powdered serve, when applied, to dispel obstinate warty excrescences about the genitals." "The juice of spurge-wood is used [in France] as an application to destroy warts." "The juice of the fresh sun-dew has been used for destroying warts." Rain-water caught in a cup of the wild teasel, lint soaked in a decoction of tormentil, and watercresses are also quoted as cures.

In this embarrassment of riches the warty subject gets no guidance from the learned author as to the most successful of these cures. When we state that in the same unbiassed way cures for such serious complaints as cancer, stone, insanity, and hydrophobia are provided, and that quotations from Dioscorides, Theophrastus, Gerard, Culpepper, and especially Shakespeare are referred to as final proofs, it will be judged that Dr. Fernie's manual is one which should be regarded only as pleasant reading, and not by any means as a household guide to medical treatment.

Dr. Fernie is apparently as ready to accept far-fetched etymologies as marvellous cures. His betony, from *ben*, head, and tonic, that is, a tonic for the brain; gooseberry, from *Krüsbar*, across; mullein, from *mollis*, soft; wormwood, from *wehren* and *mought*, to keep off moth; and yarrow, from *hiera*, holy, are specimens of derivations which, to say the least, need proving.

The Optician's Handbook: being an introduction to the study of the refraction of the eye, its anomalies, and their estimation and correction by means of glasses. By An Ophthalmic Surgeon. London: The Gutenberg Press. 8vo. 138 pp. 3*s.* 6*d.*

This book is in two parts, the first dealing with the eye, its properties and disorders (other than surgical); and the second part (added by the publishers) with spectacle-fitting and other things done by the optician to correct errors of vision. We like the second part better than the first, not that it is better written or more accurate, but because it is more intelligible than the first part, the writer of which knows his subject so well that his technical terms will occasionally muddle the tyro, for whom the handbook is primarily designed. Nevertheless, the book is just what is wanted by spectacle-dealers, and chemists especially will appreciate its value.

Sandbags and Revolvers.—Mr. Charles G. Penny, a well-known pharmacist and politician at Twenty-first and Market Streets, St. Louis, was counting up the cash for the day in his shop some nights ago, when a tall man entered and purchased a cigar. After looking around a moment the stranger called for some perfumery, which was on the opposite side of the shop. As soon as Mr. Penny had come from behind the counter the customer hit him on the head with a "sandbag." But Mr. Penny has been in politics too long to be easily knocked out, and the next instant he had his "shooting-iron" aimed at the stranger, who "withdrew." Such are the every-day incidents of Western pharmacy.

Scientific Notes.

Chemistry, Pharmacy, Botany, Materia Medica, &c. Original, Selected, and Translated.

Igasuric Acid.

This, the peculiar acid of nux vomica and other strychnine-yielding seeds, is declared by Sander (*Arch. d. Phar.*, 235, 133) to be caffeo-tannic acid, as it yields, on hydrolysis with alkali, caffeic acid and a sugar.

Milk-constants.

The *Analyst* for April contains three valuable papers, by Messrs. Richmond and Boseley, on milk-analysis, in the first of which the average result of 11,633 samples of milk, as received by the Aylesbury Dairy Company during 1896, are given. Each month's results are given upon morning and evening milks. The latter are in all cases richer than morning milks, and the poorest stuffs were given in May, June, July, and August, the principal grazing months of the year. An interesting discussion on the paper is appended to the report.

Belladonna Alkaloids.

Kremel has examined the various parts of belladonna for alkaloid with the following results, reckoned on the dry material:—Root, 1·75 per cent. of alkaloid; stems, 0·616; leaves, 0·7; unripe fruits, 0·6 per cent. He also finds that preparations of the drug decrease in alkaloidal value to the extent of about 0·1 per cent. per year. Specimens of the root were also gathered in June and October from the same spot, and examined. The June root yielded 0·88 per cent. of alkaloid, and 26·6 per cent. of solid extract; the October, 0·225 per cent. of alkaloid, and 16·6 per cent. of extract.

Histology of Drugs.

Not many years ago the workers in the histology and pharmacognosy of drugs were by no means numerous, and there were not many more who appreciated their work. It is different now, for there are workers in almost every country, and amongst them Dr. Alfred R. L. Dohme, of Baltimore, is one of the most industrious. He is contributing a series of papers to the *Druggists' Circular* on the histology and pharmacognosy of pharmacopœial drugs. Each paper deals with two or more drugs; that in the May issue, for example, treating of nux vomica, squill, aloes, and rhubarb. The origin of the drugs, their general characteristics, and chemical properties are described, and drawings with descriptions of sections illustrate the text. The papers are useful, and we regret that our space does not permit reproducing them. Those specially interested should refer to the original.

Pollen as a Means of Recognising Powders.

The last issue (May) of the *Journal of Pharmacology* contains an interesting paper, by Mr. Chas. Pfister, on the pollens of some official [U.S.P.] herbs, his inquiry having been undertaken with the view of determining whether the powdered drugs could be recognised by means of any pollen which they may contain. Mr. Pfister's conclusion is that they can, and he submits figures and descriptions which corroborate his statement. Thus the pollen of horehound is squarish oblong, green, and smooth; that of wormwood smooth, elliptical, and yellowish, some grains resembling a three-leaved clover. Mr. Pfister's notes do not profess to be exhaustive, but they are suggestive, and are worth following up. He mounted the pollen in sweet-almond oil, without previous preparation, and finished with a ring of gold size.

Quassia.

In the same journal, and on behalf of the Research Committee of the U.S.P., Mr. A. H. Hills recalls the fact that the quassia now official in all the Pharmacopœias is really an adulterant. The quassia at first introduced was the wood of *Quassia amara*, Willd. It obtained its generic name from Lennalds, who named it from a negro slave of Surinam, called Quassi or Coissi, who successfully used it in the treatment of certain fevers about the middle of the last century. This plant became scarce, and Jamaica quassia, having the same properties, and being more readily obtained, was substituted for it, and now very little Surinam quassia comes to our market. Mr. Hills has examined the two woods histologically, and finds that they differ in that the medullary rays of the Jamaican kind are three cells in width, and the Surinam only one cell. The cells of the former are irregular in size, and those of the latter uniform.

The Pharmaceutical Society's Finances.

The table which occupies the next page is an abstract of the accounts of the Pharmaceutical Society of Great Britain since that Society was entrusted with the administration of the Pharmacy Act, 1868. The figures for 1868, the last year of the old *régime*, are included for comparison. We compiled the table from the official financial statements for our own convenience, and have found it so useful that others who are interested in the Society's prosperity may like to study it. We do not propose to comment upon it further than to explain the items.

"Society's receipts" means the subscriptions (annual or composition) paid by members, &c, interest from investments, profit from publications, and (in 1896) school fees.

"Society's expenditure" is composed of the starred items and half of the other items under "analysis of expenditure."

"Examination and registration fees" explains itself; the expenditure in this department includes charges for certificates of death and all direct expenditure on account of examinations which appears in the statements. There was a rush for the old examinations in 1868 by those who wished to get honours easy.

"Miscellaneous" is made up of annuities, cost of meetings, carriage of books to members, conversazione, medals, and similar Society matters.

"House expenses" includes gas, water, coal, &c., and servants' wages.

"*Journal* balance" includes the postage. In 1870 the first charge for the conversion of the paper from a monthly to a weekly was met, and in 1894 other changes in its production were made.

"School cost" from 1884 was increased by annual payments for research. In 1874 the Council handed over the control of the school and the fees to the staff.

"Register cost" is the balance on the printing account after sales to Government, &c. For the sums stated the Society has several hundred copies for the use of its officers, Council, and local secretaries.

"Sundries" is made up of various small items which appear at the end of the statements.

"P.o.Ph." means "Progress of Pharmacy," and "I P.C." "International Pharmaceutical Congress"—printing and distribution in each case.

The double item in the repairs column for 1884 covers part of the cost of alterations in the Edinburgh house. The more recent alterations in Edinburgh are not included, as they have been charged to the capital account as an investment. In the same manner, the houses in Galen Place and Nos. 15 and 16 Bloomsbury Square are treated as investments. Our table takes no notice of investments, but the rise and fall of those which are remunerative may be judged from the line on "interest."

The Presidents and Treasurers of the Society during the period were:—

	President	Treasurer
1869.	G. W. Sandford	T. H. Hills
1869–70.	H. S. Evans	"
1870–71.	G. W. Sandford	"
1871–73.	A. F. Haselden	"
1873–76.	T. H. Hills	John Williams
1876–78.	J. Williams	C. Hanbury
1878–79.	"	T. Greenish
1879–80.	G. W. Sandford	"
1880–82.	T. Greenish	John Robbins
1882–90.	M. Carteighe	"
1890–96.	"	R. Hampson
1896–97.	W. Hills	"

It is interesting to compare these men and dates with the dates and figures of the abstract.

ABSTRACT OF THE PHARMACEUTICAL SOCIETY'S ACCOUNTS

—	1868	1869	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1830	1831	1882	1883	1834	1835	1883	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	Totals, excluding 1868
	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£
Society's receipts ..	3,176	4,004	4,166	4,073	4,364	4,614	4,821	5,122	5,101	5,231	5,337	5,487	5,535	5,502	5,453	5,613	5,649	5,658	5,622	5,503	5,269	4,977	4,818	4,863	5,633	5,309	5,297	5,272	6,558	144,851
Society's expenditure	2,555	2,247	4,759	3,375	3,652	4,851	5,195	4,337	4,275	3,831	4,501	4,339	5,632	4,605	4,553	4,686	5,201	5,217	5,335	5,941	6,086	5,690	6,536	7,426	6,857	6,979	8,314	9,586	9,094	153,616
Exam. and reg. fees ..	1,673	4,548	3,337	3,677	3,990	4,847	4,586	2,510	3,923	4,455	4,538	5,311	4,736	4,693	4,813	5,530	5,310	5,609	5,905	6,238	6,398	5,867	6,353	8,081	8,117	8,749	9,824	8,740	9,659	160,434
Exam. expenditure ..	394	1,051	1,187	896	1,014	1,437	2,325	1,284	1,483	1,544	1,779	2,269	2,300	2,127	2,234	2,550	2,679	2,753	3,053	3,021	3,330	3,050	3,150	4,016	3,048	3,240	3,344	3,428	3,524	67,192
Analysis of income :—																														
Interest	235	290	507	391	479	521	560	577	535	533	606	696	793	721	701	777	768	743	800	784	633	544	374	236	418	373	389	353	337	15,394
Subscriptions ..	2,609	3,714	3,640	3,644	3,863	4,064	4,261	4,451	4,566	4,693	4,731	4,791	4,832	4,781	4,752	4,833	4,881	4,910	4,822	4,719	4,631	4,403	4,444	4,597	5,215	4,936	4,908	4,919	4,854	127,858
Examination fees ..	1,673	4,548	3,337	3,677	3,990	4,847	4,583	2,510	3,923	4,455	4,538	5,311	4,736	4,693	4,813	5,530	5,310	5,600	5,905	6,238	6,398	5,867	6,353	8,081	8,117	8,749	9,824	8,740	9,659	160,434
Sundries	332	—	19	38	22	29	—	94	—	—	—	—	—	—	—	—	—	—	—	3	—	4	—	—	—	Law 28	—	—	1,367	1,604
Analysis of expend :—																														
Miscellaneous * ..	200	200	315	548	414	573	623	333	397	315	292	201	303	416	380	497	532	819	827	896	676	530	848	801	513	472	468	460	492	14,191
Fixtures, &c. ..	6	35	219	111	128	119	300	114	218	119	354	151	81	130	49	331	195	157	8	63	185	293	182	433	280	165	70	81	19	4,662
House expenses ..	41	68	77	67	69	206	231	255	231	213	230	281	233	232	251	245	288	247	247	305	334	495	519	659	656	637	663	620	642	9,201
Journal balance * ..	Profit	31	1,843	164	407	985	866	840	629	471	767	749	683	589	497	659	706	736	876	996	752	568	875	1,305	1,347	1,633	2,234	3,595	3,103	29,118
School cost * ..	235	225	493	642	446	839	350	333	337	338	337	341	344	343	338	346	414	551	675	796	1,207	1,240	1,236	1,241	1,136	1,265	1,275	1,230	1,471	19,789
Law costs	67	232	261	176	187	163	193	385	185	246	232	273	1,163	144	169	150	105	270	225	3.1	313	150	296	29	131	—	779	771	685	8,220
Library & museum *	246	196	252	256	259	257	370	297	673	674	773	760	1,028	669	752	700	737	916	849	852	1,026	1,004	835	807	955	942	1,085	840	896	19,691
N. B. Branch ..	73	114	95	155	203	142	186	263	334	258	265	303	299	367	287	311	301	332	485	324	341	350	377	378	446	453	544	688	648	9,261
Postage	143	153	155	164	234	256	257	223	254	280	443	206	375	274	240	247	267	253	265	251	235	212	247	251	275	216	235	216	219	6,903
Register cost ..	—	245	69	—	9	37	38	22	30	34	43	35	40	33	7	6	9	8	8	—	2	—	3	9	10	14	13	16	9	749
Repairs	142	257	483	548	575	767	412	259	373	229	537	225	275	304	805	591	331 / 1092	377	288	546	443	330	715	896	834	571	855	1,053	601	15,577
Rent, &c.	455	339	571	400	464	394	466	640	489	483	396	404	398	401	690	379	393	398	396	493	569	580	874	691	765	742	755	791	750	15,111
Stationery, &c. ..	232	332	275	352	325	429	368	267	323	298	303	434	308	317	250	303	339	301	234	329	312	265	293	317	438	310	368	281	247	8,918
Salaries	609	1,125	1,167	1,183	1,284	1,455	1,551	1,604	1,500	1,422	1,543	1,620	1,724	1,685	1,661	1,664	1,606	1,303	1,315	1,354	1,358	1,215	1,240	1,272	1,345	1,492	1,525	1,575	1,630	40,418
Sundries	35	86	81	37	35	48	196	71	67	213	38	61	39	19	19	193	25	52	130	70	74	22	59	78	41	17	37	137	108	2,013
Council expenses ..	146	204	244	337	340	378	377	326	274	271	281	383	469	438	457	412	422	472	467	483	463	467	517	379	409	479	488	533	551	11,326
													P.O.Ph. * 481	I.P.C. * 412	I.P.C. * 38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	931
													* Calendar		111	128	126	120	117	102	111	104	81	95	91	87	88	78	78	1,517

NOTE.—Items marked (*) are charged to the Society and not to Examinations. "Miscellaneous" includes annuities, meetings &c.

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Will Chemists please note that we can supply an excellent article at 1/- per gallon, drums or casks extra, delivered free London?

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PERFECTED "GALEN" ELASTIC CAPSULES.

Elegant in appearance and shape. Free from taste or smell. Do not pit. Readily soluble. Quite full. Contents pure and of the highest quality.

IN BULK OR BOXES.

Customer's own Name and Address on Labels if desired.

Apply for Samples and Prices before Buying elsewhere.

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(HOME, FOREIGN, AND COLONIAL.)
Moderate Inclusive Fees.
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"COCA-TONIC" CHAMPAGNE

Prepared and Bottled by the Actual Champagne Growers at Bouzy-Reims.
We supply elegantly embossed cartoons for Windows and Packing; also artistically executed Show Cards, free.
For prices and particulars, apply to the Sole Proprietors—
HERTZ & COLLINGWOOD, 38 Leadenhall Street, LONDON, E.C.

When the New Pharmacopœia arrives with its Standardised Tinctures, and you wake up to find half your stock worthless, you will wish you had been sooner converted to the use of

Fletchers' Concentrated Liquors.

AWAITING THE VERDICT.

THE battle of the by-laws is over for the moment. The Privy Council can, we believe, if their Lordships think fit, order that the application for the sanction of the new ones shall be argued in public. It is not very probable, though, that they will take this course. They will, we doubt not, give due consideration to the arguments offered both for and against the imposition of the double fee, and all parties to the dispute may expect that the duty imposed

on them by the Pharmacy Act will be performed with judicial impartiality. The advisers of the Privy Council have always shown a desire to help forward the work of the Pharmaceutical Society, so far as they have thought it consistent with the law and the public interest; so that the advocates of the new fee need have no fear that the tribunal to which they are required to appeal will be biassed against them.

A prominent fact, which we have no desire to minimise, is the immense preponderance of opinion in the Pharmaceutical Society in support of the Council's scheme. The 10 to 1, or thereabouts, by which their proposal was approved of at the special meeting may quite probably fairly represent the weight of opinion among members generally. We have no right to assume that it is otherwise, nor do we wish to suggest that the vote was given except after intelligent deliberation. We have a strong suspicion, however, that the reason so frankly stated by Mr. Umney at the special meeting was the one which influenced a very large number of the Society's adherents.

"The Society want more money, and I see no other practical way by which they can get it."

This was the gist of Mr. Umney's short speech. Mr. Umney is an auditor of the Society, and a man familiar with accounts, and he foresees that unless the Society get more funds "bankruptcy will stare them in the face in the course of a year or two." We have been roundly abused for saying much the same thing. The difference between Mr. Umney and ourselves is that we see another and a juster way of raising the money, which the Society have come to think necessary to their maintenance. Our plan is that which all the rest of us have to adopt—namely, ourselves to pay for what we enjoy. There is no finality about 21s. Nobody disputes now that the members of the Pharmaceutical Society are getting for their guinea what costs them—whatever it may be worth—a great deal more than a guinea. Mr. Robinson quotes the charter and the statute to show that the Society has a right to apply the examination-income to the purposes of the Society. No one disputes that legal dictum. But what Mr. Robinson fails to see, or does not choose to see, is that the Act nowhere provides that the examination-fees shall suffice "for the purposes of the said Society." And yet Mr. Robinson, with an injured air, complains that the present fees do not meet all the expenses which the Society is put to.

In taking leave of this discussion, as we hope we are now doing, we submit for the benefit of those interested a compilation which we made for our own guidance, analysing the income and expenditure of the Pharmaceutical Society from 1868 to the present time. It would be well if future Council candidates would keep this table for reference. Mr. Campkin's innocent inquiry at the annual meeting where such information was to be found went a good way to justify his position on the poll. The table, which will be found on page 849, shows the directions in which the Society's expenditure has increased. We do not propose to go into details here, but we should like to hear some sufficiently-equipped supporter of the Society maintain the thesis that the service rendered is anything like three times as great as it was in 1868 or 1869, when the expenditure was less than a third of what it now is.

THE ORIGIN OF MEDICINES.

A PARAGRAPH appeared under this alluring headline in the *Pall Mall Gazette* of May 20. We turned to it eagerly in that humble anticipation of enlightenment to come with which one is accustomed to turn towards the throne of superior wisdom in Northumberland Street. The beginning was indeed promising:—

> The fact that certain herbs and plants produce certain effects upon the human system and alleviate or cure certain ills has been known from time immemorial.

How is that for fine writing? Is there not a "certain" ring about that sentence reminding one of a blend of the style of the late lamented Martin Tupper and of Eno's fruit-salt advertisements? True, when you come to read it again it sounds curiously like expounding the Obvious, but in our first delight we overlooked that. "*Comment trouves-tu le commencement?*"

"*Très beau*," as the man in the French school-boy comedy says. The paragraph rolls on majestically:—

> Perhaps the most ancient of medicines—properly authenticated, that is—is hops, which was used . . . as a medicine in 2000 B.C. This is attested by pictures of the plant on Egyptian monuments of that date."

Two thousand B.C. What sublime indifference to detail in the statement. It is pleasant to find that the ancient Egyptians were wiser than the people of England in the fifteenth century, for in 1425 (the *P. M. G.* may be interested to hear it) a man was prosecuted in this country for putting into beer "an unwholesome weed called an hopp," and about the same time Parliament was petitioned against the use of "that wicked weed called hops."

From the ancient Egyptians our *P. M. G.* teacher jerks us forward without more ado to the year 1830, when "Reichenbach discovered creasote." Then, throwing us more scraps of disjointed learning, after the manner of Uncle Pumblechook, our friend relates that "Potassium was discovered in 1807 by Sir Humphrey Davy, *but* (*sic!*) alcohol was first distinguished as an elementary substance by Albucasis in the twelfth century."

Good old Albucasis! Here he is come to his own at last. And an "elementary substance," too! Is it not sad to reflect that people have been drinking alcohol daily without knowing, until the *P. M. G.* revealed this new element to them, that they have been imbibing an "elementary substance"? It is like the character in Molière who had talked prose all his life without knowing it. But the resources of the *P. M. G.* man are not exhausted with alcohol. He next informs us that Scheele discovered glycerine in 1789. As a matter of fact, it was in 1778 that the great chemist first made glycerine by saponifying lard with oxide of lead in the preparation of lead-plaster. But a man who flies about from the Egyptians to Scheele may easily lose a few years on the way. He goes on: "Nux vomica, which is nearly as old (as glycerine), is the seed of a tree indigenous to India and Ceylon." That "nearly as old" puzzles us. It cannot refer to the introduction of nux vomica into European medicine, for *that* occurred certainly not later than the fifteenth century; in fact, it is probable that the worthy Albucasis himself knew the medicinal action of the drug. We give it up, and proceed to peppermint, which is "native to Europe, and its use as a medicine dates back to the Middle Ages." The period between the fall of the Byzantine Empire and the discovery of America is a sufficiently nebulous expression to cover a multitude of ignorance; but the "Middle Ages" can hardly be made to stretch to the year 1696, when Ray first made mention of peppermint in his *Synopsis stirpium Brittannaricum*. That peppermint is also a native of Asia, and, possibly of America, is a detail which we may pass over. Myrrh next engages our friend's attention, and leads, as one would expect, to a casual reference to King Solomon, while the dying Socrates is, equally of course, dragged upon the scene to illustrate the toxicity of hemlock, and the

classical knowledge of the writer. But myrrh does not come from Persia, and conium is more probably a native of Central Asia than of Greece.

Delving further into the *Pall Mall's* mines of information, we are surprised to find a statement which almost tallies with hitherto accepted historical authority. Iodine *was* indeed discovered by Courtois in 1812. But it is news to us that it was first employed medicinally in a London hospital in 1825. We thought that Dr. Coindet, of Geneva, first used it so in 1819. Nor have we, so far, looked upon ergot as "one of Hahnemann's discoveries." We thought, and most writers on materia medica take this view, that ergot had been used medicinally from what the *P. M. G.* would call the "Middle Ages" upwards at least; that it was Read who first traced the origin of the disease we now know as ergotism; in his *Traité du Seigle Ergoté*, published at Strasburg in 1771, and that it was Bonjean, of Chambéry, who introduced ergotin in 1842. But we live to learn. "Aconite grows in Siberia and Central Asia, and was first used as medicine by Storck in 1762." So much the worse for the facts that aconite-tubers are known in Sanskrit as *Visha*, or poison, and that Dodonæus, Valerius Cordius, and all the other pharmacognosists and physicians of the Middle Ages describe the tubers and refer to their medicinal value. What Anton Störck, of Vienna, did do in 1762 was to recommend the aconite-leaf as a substitute for the root. Professor Dragendorff and the other chemists who have investigated the proportion of caffeine in coffee are all wrong. Dragendorff, poor creature, found only from 0·64 to 2·21 per cent. of caffeine in a series of coffee samples, embracing almost all the known varieties. But they did not know everything down at Dorpat. For we have it on the authority of the *Pall Mall Gazette* that "Java coffee contains 4 2-5 (*sic!*) per cent., and Martinique 6 2-5 (*sic!*) per cent., of caffeine."

The information fills us with wonder. We must not only revise our text-books, but who, after this display of wisdom, will dare deny that anything the *P. M. G.* does not know is not knowledge? And when a journal displays such intimacy with so small a subject as medicine, what must not its authority be when it talks on matters of Imperial concern? The last sentence of the *P. M. G.* article is the best. "Arnica," it runs, "hails from Europe and Asia, but the medicine is made from *artificial* plants grown for that purpose." Heaven only knows what horrible poisons lurk in the bonnets of our contemporary's female staff.

LONDON WATER AND ITS ANALYSTS.

We have referred on several occasions to the work of the London County Council chemists in the examination of the metropolitan water-supply for bacteria and suspended matter. At this week's meeting of the Council a report was submitted showing that since October the supply of eight companies has been examined thrice a week, and although five of the companies draw their supplies from the same source, the quality of the supplies differed greatly. The Southwark and Vauxhall Company's water contained twice as much suspended matter as the other Thames companies', and the samples containing objectionable matter were nearly three times as numerous as in the case of the West Middlesex Company. Another noticeable feature was the frequency with which the number of microbes exceeded 100 per cubic centimetre, this being the maximum number allowed by experts as admissible in drinking-water. The Kent Company appeared to have offended in this respect on 14 days out of every 100, and the Southwark and Vauxhall Company 58 out of every 100. It has been alleged that the L.C.C. chemists are not impartial in this matter, and that Mr. Dibdin, having invented the micro-filter, is riding it rather hard. Without going into that, the report admirably sustains the value of the inquiry upon which the Council is engaged, the direct object of it being to check the efficiency of the filtration of the Thames water. The bacteriological results obtained by Dr. E. Frankland (chemist for the Local Government Board), Messrs. Crookes and Dewar (chemists for the water companies), and Mr. Dibdin (chemist for the L.C.C.) are incorporated in the report. Dr. Frankland has found the number of microbes per cubic centimetre in unfiltered Thames water to be 30,960, and Messrs. Crookes and Dewar give 9,586. In the case of filtered water from the Thames companies, the results are: Dr. Frankland, 653; Messrs. Crookes and Dewar, 22; and Mr. Dibdin, 328. Similar discrepancies were shown to exist in the waters supplied by the East London Company and the New River Company. It is now proposed to authorise Mr. Dibdin to continue the work for a further period of six months, at a cost of 260*l.*, and in view of the differences between the constituted authorities the expenditure would seem to be justifiable.

THE BRITISH PHARMACOPŒIA.

Says *Mr. Punch* to Sir Richard Quain,
So glad that "Richard is himself again."

Thus *Punch* this week, greeting the President of the General Medical Council on his return to his duties, after being "very seriously ill for many weeks"—so Sir Richard put it when he delivered his address to the Council on Tuesday morning. The most important matter in the address, from the pharmaceutical point of view, was a reference to the British Pharmacopœia, upon which the President said:—

> I have very great satisfaction in announcing that the material for the British Pharmacopœia has been completed, and will be placed in the hands of the Council during the present session. This material has been most thoroughly revised by the eminent experts who were invited to assist in the revision, and who have done so with great care.
>
> The most hearty thanks of the Council are due to these gentlemen for their services, to the Pharmacopœia Committee of the Pharmaceutical Society, and also to the Pharmacopœia Committee, who, since the last session of the Council, have held two protracted meetings. It is proposed that the Pharmacopœia Committee should meet again when they have received the revised proofs from the members of the Council, that the preface the appendix, and the index, which are in course of preparation, should be added to the material of the work, and that the work in its complete form should be submitted to the Council at its November meeting.

We understand that by "material" the President means the B.P. monographs. The whole of the Pharmacopœia, exclusive of the prefatory and appendical portions, has been in type for some time, and it is confidently expected that the new Pharmacopœia will be published before the end of the year.

MR. PARK AND THE NEW SCHOOL.

The *Western Mercury*, of Plymouth, takes sufficient interest in the affairs of the Pharmaceutical Society to publish the results of the election. "The result," says the *Mercury*, "will be extremely gratifying to West-country chemists. It will be noticed that Mr. C. J. Park, of Mutley Plain, Plymouth, has been re-elected, standing eighth on the poll, and the top of what may be considered the new school." Mr. Park "at the top of the new school" will be a sensation for those below him. Evidently Messrs. Carteighe and Savory are the new boys of the new school; they are at the bottom of the class at present, but under Mr. Park's guidance

who can tell what wild schemes of revolutionary policy they may not plot? The *Mercury* man is constrained to drop a tear over the position of Mr. Michael Carteighe. "Such is the reward of hard and continnous work," he says. It might interest him to learn that it was the reward of a P.A.T.A. circular.

MEDICAL PRELIMINARY EXAMINATION.

The Education Committee of the General Medical Council, acting on instructions given last November, have obtained the opinions of the bodies concerned regarding the expediency of raising the standard of Junior Preliminary examinations. A report on the matter will be presented to the Council in November.

MAY POSTCARD COMPETITION.

The P.A.T.A.'s circular regarding the Pharmaceutical Council election seems to have upset the predictions of nearly all who sent in postcards in reply to our request for the order in which the candidates would stand when the poll was declared. With few exceptions Mr. Carteighe was named amongst the first three, and divided with Mr. Martindale the honour of being first. So our postcards said; but the voters put Mr. Carteighe thirteenth, and as our guinea was to be given to those who gave the order nearest to that actually declared, the shifting of Mr. Carteighe's name has shifted at least ten others up. We are not exactly sorry for this, because it will help to make competitors a little more careful in future, especially in watching the signs of the times. No one has succeeded in placing more than six correctly, and only two succeeded to that extent, viz:—

Mrs. Postlethwaite, 131 Fawcett Road, Southsea, who placed Messrs. Martindale, Allen, Atkins, Southall, Park, and Grove correctly; and Mr. H. Hulme, 83 Oxford Street, Liverpool, who placed Messrs. Martindale, Allen, Young, Warren, Savory, and Hyslop correctly.

We must divide the guinea between these. Although more than twenty competitors filled the fifteenth and sixteenth places correctly (which is really the most valuable bit of prophecy). only two filled fourteen, fifteen, and sixteen, viz.:—Messrs. L. and R. Tice, 4 Dalston Lane, N.E.

MEDICAL AND PHARMACEUTICAL HONOUR.

A licentiate of the Royal College of Physicians points out to the readers of the *Daily Graphic* that, while the physician is bound to respect the confidences of his patients, there is still what he calls an alarming possibility that the pharmacist ("a tradesman who is bound by no law of honour or custom to keep his secret") may betray it. "L.R.C.P." finds difficult to suggest a remedy, but he thinks it would meet the danger "by making it illegal for a chemist to give a copy of or state the contents of a prescription without an express order from the prescriber." "An Honourable Pharmacist" takes the trouble to reply to "L.R.C.P.'s" impudent suggestion. He assures the readers of the *Daily Graphic* that "in all well-conducted pharmacies a prescription is held to be the sole property of the prescriber's patient, and a copy is never given to anyone except that patient, consequently the 'secret' is limited to physician or prescriber, dispenser, and patient." And he asks if "L.R.C.P." thinks there is and can be no honour in a man who has to serve in a "shop"? This is all right enough, but it does not touch the real fallacy in "L.R.C.P.'s" letter, which is the assumption that medical men are subject to a different code of law and honour to that which governs other people. This is a delusion which no one regards except when medical men are discussing among themselves. The law affects chemists just as much as it does doctors; and it is a significant fact that there is no record that we know of of an action against a chemist for a dishononrable breach of confidence. The medical profession, with all its "codes," can hardly make this boast.

MR. LEVER'S ADVICE.

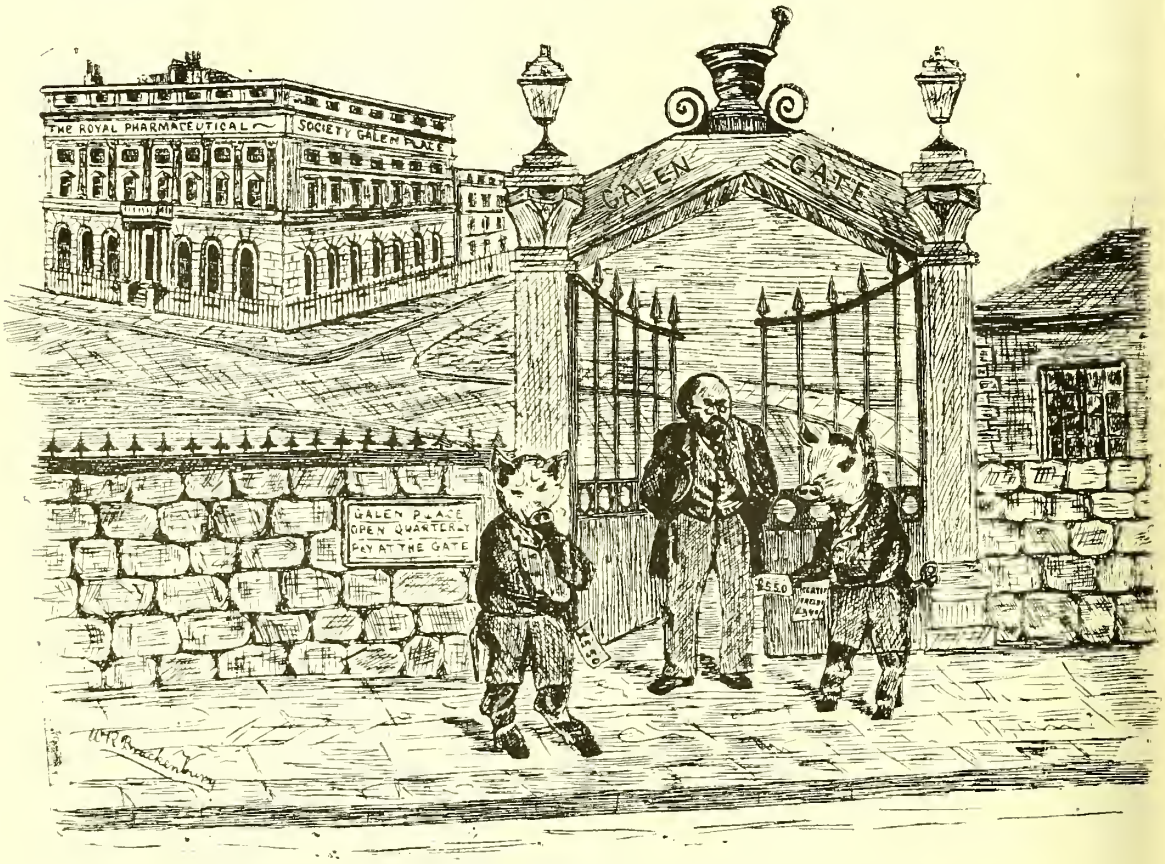
The advice of a man who has made a great success should be worth listening to. Mr. W. H. Lever, the great soap man, presided last week at a dinner which his firm gave at the North-Western Hotel, Liverpool, to their Liverpool agents. This, we may mention, is to be followed by a series of entertainments to visitors from Glasgow, Manchester, London, Cardiff, and other places. Mr. Lever told his guests that five out of the six directors of Lever Brothers had themselves been grocers. He was one of the five. There was no business like the grocery business for bringing out of a man what might be in him, for no man could go through the fierce competition they had to encounter—competition which, he was afraid, was likely to be still fiercer in the future—without being fitted to put his hand to any trade. Then Mr. Lever recommended his hearers to study their trade press. As to the question of cutting, he firmly believed it was an altogether mistaken policy. He did not believe it ever made a man's business large, and it was a delusion for a young man to regard cutting as a short way to success. He had often heard his father, who was apprenticed in 1824, say that he never knew a man do any good by cutting. It might make a man pay more attention to his business, but if the man had given the same attention to his business without the cutting, it wonld have had the same effect. The man to whom the public wonld go was the man who studied their wants and was courteous and obliging. There was an idea that all the present competition wonld lead to the extinction of the small trader. He did not believe that at all, for he thought he was the very man who would never be squeezed out. The man who was likelier to be squeezed out was the man who was careless of his bookkeeping and of his business. The trader who wished to be abreast of the time should be a member of an association and read the trade papers.

THE BLUE RIBBON OF SCIENCE.

An nnusnal nnmber of chemists have this year been nominated for election to the fellowship of the Royal Society. Fifteen only are elected annnally, and the honour is distributed well over the field of science; thns this year there are three zoologists and the same number of pure chemists, two physicists, and one each geologist, physician, entomologist, physiologist, mathematician, botanist, and astronomer. The physician is Sir W. H. Broadbent, Bart., bnt in addition to him there are three M.D.'s who are devoting their lives to special branches of science. The pnre chemists are Mr. Francis H. Neville, M.A., of Cambridge, who is working with Mr. Heycock on the properties of alloys; Dr. Stanley Kipping, "an original and very skilfnl and persistent worker in chemistry," and chief assistant at the Central Technical College, South Kensington; and Professor John Millar Thomson, of King's and Queen's Colleges, London, the popular senior Secretary of the Chemical Society. Other candidates who are or have been connected with chemistry are Dr. Robert Bell, of the Geological Survey of Canada, formerly professor of chemistry and geology at Kingston; and Dr. J. Scott Haldane, of Oxford, whose work in physiological chemistry, especially in respect to the air of bnildings, sewers, mines, &c., is regarded as of the highest value. The botanist candidate is Mr. George R. M. Murray, keeper of botany, British Museum. Dr. Charles Chree, Superintendent of the Kew Observatory, is one of the physicists recommended by the Connell for election.

The Sale of Food and Drugs Amendment Bill.—In reply to Mr. Dillon, on Thnrsday, Mr. Balfour said the President of the Local Government Board had informed him that the Sale of Food and Drngs Bill wonld be introduced this Session. Mr. Balfour, however, added that he did not imagine there was mnch chance of passing it this Session, nnless there shonld be a "nniversal enthusiasm" for it.

The Cent that Pays the Rent.



Secretary: Ten guineas now, please.

Hurrah for the Jubilee!

The Pharmaceutical Council sat
In the year of the Jubilee,
And the chairman sounded a rat-tat-tat,
And order cried cheerilee.
"Now boys, ahem! I mean gentlemen,
'Tis a serious biz, I see,
For we need more coin; and he whispered then,
Or else we'll be up a tree."

Omnes: It's money we need, and it's money we'll have,
By hook or by crook, you'll see.
And the more we get, why, the less we'll save,
So hurrah for the Jubilee!

"The *Journal* soaks up a 'thou' or two,
And still greedily cries for more,
And the School and Lab., well, what can we do?
We must have 'em to swell the score.
And all the Court cases' expenses to pay,
To protect all our pockets, you see,
We've spent all we had, and can't pay our way,
But hurrah for the Jubilee!"

Omnes: It's money, &c.

"Now the Minor men, and the Major too,
Have all grown too jolly fly;
They smile aloud at the best we do,
And our S'iety quite pass by.
They growl at all, and behave quite rude,
And tell us, 'twould better be,
To cut our coat to our cloth—that's good,
But, hurrah for the Jubilee!"

Omnes: It's money, &c.

But Fail-'em-again set his brains to steep,
And a rare plan evolved he:
"'Twill work like a charm (it's awfully deep)
If plausibly put," says he.
"We need in our pharmacies, so select,
Much better class men. You see?
And that a ten-guinea fee should effect,
So hurrah for the Jubilee!"

Omnes: It's money, &c.

"Hurrah! once again, with a triple hip, hip!
That's the scheme, and we'll work it, you bet,
For all it is worth, for it cannot well slip;
And the coin, oh! the coin we shall get.
Minor men cannot kick, and the Major men won't;
It makes nothing to them, don't you see?
We'll spend far more freely, just see if we don't.
Hip, hurrah for the Jubilee!"

Omnes: The money we need we soon now shall have,
Through this jolly scheme, as you'll see;
And the more we get, why, the less we'll save.
So hurrah for the Jubilee!

[J. A. C.

Nottingham and Notts Chemists' Association.

ANNUAL MEETING.

THE annual meeting of this association was held on Wednesday evening at the Albert Hotel, Nottingham. Mr. R. Fitzhugh, J.P., presided.

Mr. Eberlin read the annual report of the Council, which characterised the past year as one of steady and successful progress. Reference was made to the various meetings held during the year, including the general meeting for the discussion of the proposed alterations of the by-laws of the Pharmaceutical Society. So far as the education of the associates was concerned the year had been most successful. Botany and practical dispensing were the two subjects which had been taken, and the arrangements with the University College had been continued. In botany the students were under the tuition of Professor Carr and Mr. A. E. Smith, B.Sc., and thirty-one joined in the first term, twenty-seven in the second, whilst seventeen had already joined in the current term. Mr. Sergeant, who had for some time conducted the class in practical dispensing, resigned, and the Secretary consented to take over the work with the assistance of Mr. Turton, an associate. Eleven students joined this class, and the progress was satisfactory. An examination was conducted at the end of the term by Mr. Sergeant, who placed M. Chambers first, C. E. Bell second, and A. Watson third. There were now forty-nine members of the association and two honorary members, with thirty-three associates. With sincere regret the Council recorded the loss of two highly respected members, Mr. Richard Patchitt and Mr. Jno. Marshall, the representative of Messrs. Hearon, Squire & Francis.

The Accounts.

The treasurer submitted the accounts, which showed a balance in hand at the commencement of the year of 47*l.* 6*s.* 3*d.* The receipts had been 53*l.* 8*s.* After deducting the year's expenditure there remained 41*l.* 1*s.* 4*d.* to the credit of the Association. It was mentioned that the subscription for the past year had been only 5*s.* as against 7*s.* 6*d.* previously.

The report and accounts were adopted.

Mr. Bolton proposed that, as they had 41*l.* in hand, and as the present year was a special one in connection with the Benevolent Fund of the Pharmaceutical Society, they should vote ten guineas to that fund. Mr. Gascoyne, in seconding this motion, remarked amid laughter that the fund was, to his mind, the one redeeming feature of the Pharmaceutical Society.

The following officers were elected:—President, Mr. R. Fitzhugh; vice-president, Mr. F. R. Sergeant; treasurer, Mr. J. Wilford; secretary, Mr. A. Eberlin; council, Messrs. Bolton, Gascoyne, Middleton, Beverley, Gill, Beilby, Cook, and Mason. Mr. Warrener, who received the same number of votes as Mr. Mason, withdrew in favour of that gentleman.

Mr. Fitzhugh, in returning thanks for his election, referred to the meeting at which the proposed new by-laws of the Pharmaceutical Society were discussed. He said, no doubt the examinations now were much severer than formerly. He did not object to that; but he did say they should derive some more advantage than they really had in the matter of the protection of their trade for their having to undergo the more strict examination, and also for having to pay increased fees, and the only way he saw to gain that end was for members of the Pharmaceutical Society to elect gentlemen on the Council who would carry out their views more than some members of the Council did at present. It was all very well for the Council to say it was inconvenient for country members to attend, and that they should have more London members on the Council, but these London men knew nothing of the trade of those in the country—(applause)—and, therefore, were not able to legislate for them. In conclusion, the Chairman said in the past their Association had been pointed to as a prominent one, and he hoped it would continue to hold its high position. (Applause.)

Mr. Sergeant, Mr. Wilford, and Mr. Eberlin returned thanks for their election.

Mr. Bolton moved a vote of thanks to the retiring Vice-President (Mr. Middleton), coupling with it an expression of sympathy with him in his illness. At the same time he moved a vote of sympathy with Mr. Parker in his serious illness.

Mr. Beverley seconded, and Mr. Gascoyne, in supporting, referred to the re-election of Mr. Fitzhugh, who, he hoped, would, as soon as opportunity arose, be raised by the Nottingham Town Council to the Aldermanic Bench, in recognition of his long and honourable service to the borough. (Hear, hear.)

The Storage of Benzolene.

A long discussion ensued on the question of new by-laws put into force by the Nottingham Corporation with regard to the storage of benzolene. It was ultimately resolved that Messrs. R. Widdowson, Lumby, Cook, Wilford, and Warrener should take the matter into consideration, with the object of eventually waiting upon the committee of the Corporation and pointing out the defects from their standpoint of the new by-laws.

Storage and Pharmacy Arrangements.

MR. J. C. HYSLOP dealt with this subject in a paper read at the closing meeting of the session of the Western Chemists' Association, held at the Westbourne Restaurant on Wednesday. Mr. J. W. Taplin (President) was in the chair.

Mr. Hyslop said the subject of his paper had not received the attention which its real importance merited. His remarks now must be merely suggestive, but he hoped someone with more time and a larger grasp of the science of the subject would treat it more fully; if not, he might himself return to it later.

The climatic conditions of the shop—thermal, hygroscopic, and barometric—present, he said, very perceptible and constant variations, and it needs but the observant eye of a cultured mind, such as we hope will characterise the pharmacist in the future still more than in the past, to discern the ways and means of preserving in their best condition the thousands of good things committed to his charge.

Allowing for natural variations, he said, the front of a chemist's shop is its dampest and coolest part, and the back is the driest and warmest part.

As an illustration of this, let me mention in passing that horrible trouble, the steaming of the window in cold weather, which, nevertheless, is quite preventible. The air heated by the gas-lights and laden with moisture streams out at whatever ventilation you may devise, and in its way is retarded by the cold window-glass, where the moisture becomes deposited in the liquid state. So if, instead of first lighting up behind, we take the precaution of setting one or two burners a-going in broad daylight, or, what is better, have a Bunsen burner alight for half an hour in the window before it is necessary to light up at the back, the evil is altogether averted. The warmed surface of the glass repels the onslaught of the heated moist air, and sends it out with its burden of watery vapour into the open street.

But whether such precautions are or are not adopted, you will always find that all the year round the space under the window-board, where very generally the gas-meter is placed, is a cool, damp position. Here confections of senna, rosæ gall., rosæ can., &c., may be kept always of a proper consistence ready for dispensing; and, more important still, the extracts—rhubarb, chamomile, lettuce, &c.—kept down here are always just right for pill-building. Some pill-masses, too, such as pil. hyd. and certain others, keep best in this position; whilst others, such as pil. rhei co. and pil. hyd. chlor. co., must be kept in a drier position. Of extracts, too, some green extracts—hyoscyamus and conium notably—must be nursed a few days in one position and a week or so in another, as one's judgment may dictate. With the far greater part of one's stock the golden rule is easy of application. The same climatic conditions do for them all the year round, and "a place for everything and everything in its place" becomes no problem whatever. With some, however, variations are required, and any extra attention required should, of course, be ungrudgingly be-

stowed. Boxes may be utilised for these purposes: ordinary deal soap-boxes for confections and extracts not poisonous, with a lock-up box for ext. nuc. vom., belladon., &c. Those containing the pots just as they arrive from the wholesale houses are arranged, one above another, below the window-board, from the flooring upwards, and the result is eminently satisfactory. Under the counter, too, as near the flooring as possible, is the place for capsules, jujubes, and confectionery pastilles; whilst lozenges—baked goods—should have assigned them a higher and a drier place, not in close-stoppered bottles, but in boxes or lightly-covered bottles, whence any trace of moisture may be easily dissipated, and not formed into overheated steam to spoil the whole mass. This warm, dry place is found in perfection at the back of the shop, near the ceiling. The influence of the heated gas-lights is not nearly dissipated during the following day, and is so soon repeated that a constantly warm and dry climate is here available; dried squill-bulb, *e.g.*, will keep in small quantity, wrapped in brown paper, ready to powder down in a warm iron mortar, when required as an ingredient in a pill-mass, whilst English honey, bought in the liquid state fresh from English beekeepers—Irish ones too, most likely—will keep from one season to another in such a condition that you may pour it into an ordinary medicine-bottle in the depth of winter with ease, nor does it contract the least trace of acidity for two years at least. And whilst on honey, let me add, in passing, that if in the forthcoming B.P there is retained that awful monstrosity of ancient times, mel depuratum, it will be a positive disgrace to the pharmacy of the Victorian era. Honey is simply spoiled by being melted down, even at as low a heat as possible: it clarifies itself by being allowed to stand a little while after collection. If you want it to set, keep it in a cool place; if you want it to keep in its virgin state of liquidity, keep in a warm, dry position, and your aim is attained to the full. All feculence rises and remains at top, or falls and will be found at the bottom; the main care being not to disturb the mass more than you can possibly help.

Leeches will never go out of date. They would be more used at the present time but for the amount of foolish complexity introduced from time to time as to conditions of storage. You want a wide-mouth bottle half full of water, and tied over with a piece of flannel. In this, if you surround the bottle with two or three folds of corrugated paper, and place it in a corner on the floor of the shop as remote as possible from the street entrance, your leeches, if sound and healthy at starting, will keep for a twelvemonth with but two or three times changing the water. Never change while the water smells sweet, no matter how much dark-looking stuff there is about inside. This remains, if left alone, in clots by itself, and does no harm, perhaps good. Leeches seem to want to sleep away their time in darkness, peace, and quietness, till man, "that all-depending lord," requires the assistance they alone can render him. Take up at times the containing vessel—say, every week or two—and push down a little below the paper covering, and if there is no actual turbidity and the top smells all right, replace it all as carefully as possible, so that the sensitive creatures may not know that you have been looking at them.

One matter of importance may not be omitted—the storage of ointments in tinned vessels. Tinned-iron vessels are plentiful enough, and they form a most useful adjunct to the working pharmacist's laboratory utensils; not only may most of the ointments be best prepared in spare paraffinum molle tins, but also stored in them as well. The glazed lining of earthen pots is very prejudicial to fats, becoming soon stained and imparting this stain to the contents. But bright tin is harmless, irrespective of the temperature it may be necessary to subject it to, and when a flaw occurs, the whole thing is easily thrown away, and a new one brought forward for next to nothing. Indeed, at the risk of being styled a tin-pot pharmacist, I feel certain that neat bright-tinned vessels might be far more largely used than they are, instead of bottles, for dispensing as well as storage purposes. Liquorice-powder and effervescent salines keep better in well-closed tins, if only for the reason that you may be sure of dryness by putting the articles in, if necessary, whilst the vessel is quite warm.

Aq. calcis keep on or near the floor. Acid. acet. glaciale near the ceiling. Acid. carbolic liq. near the ceiling. Most syrups keep in the warm upper regions best, syr. papav. about the sole exception. Powdered vegetable substances in pots with tin covers, such as used to be used for ointments. Aq. dest. in coppers, glass at top. Pills in wide, shallow trays. Glauber salts down under the window-board in paper packages.

We sometimes hear of a chemist having to stay at home and wait for customers—a statement that ought to be taken up by our old friend *Punch*. Certainly that misery was never mine.

> Stone walls do not a prison make,
> Nor iron bars a cage.

Then why a chemist's shop? Depend upon it, as the fruits of pharmaceutical education and general culture become more diffused these groanings will cease. There is a perfect cosmos from which a chemist and druggist may choose for himself subjects of beauty and interest intimately connected with his essential avocation, and which will be found to dovetail in with it in a thousand ways, and tend to make his whole career one of delight and happiness; the delight and happiness that ever accompany the cultured mind in every station and rank of life.

In the discussion which followed, Mr. Andrews quite agreed with Mr. Hyslop that mel depuratum should be eliminated from the new B.P. Good, fresh, and pure honey could now be bought so cheap that it was not necessary to melt it down.

Mr. R. H. Parker thought the subject of the paper was deserving of more attention, but no doubt careful pharmacists made a study of the storage of their goods in a more or less observant manner. Everything that the chemist keeps requires special attention as to the position it occupies on the shelves—whether it should be in the light or dark, whether it should be kept in closely-stoppered bottles or loosely closed—and there comes in one of the strongest arguments that can be used for the desirability, from the public point of view, of confining the sale of medicines to chemists only. Juices, such as succus taraxaci, &c., should be kept in the shop in small quantities for immediate use, the bulk being kept in cool dark cellars. Essential oils, it was amusing to find, were kept in a great number of shops in little bottles on the top shelves—just the very worst place that could be found for them. It was a good plan to keep them in the bottles *as* received. "Buy your essential oils as close as possible to your demand," was the speaker's advice, "and work with two bottles, putting the new one as it comes from the wholesale house at the back, and drawing on the reserve as soon as the old one has been used." There are many essential oils which improve by mixture with alcohol. It is an important matter for a chemist to keep his stock as low and as fresh as possible.

Mr. J. H. Mathews thought the Americans were far in advance of the English as regards elegance of pharmacy. In goods imported from America he noticed that they dipped their corks in paraffin, especially powders, which no doubt aided their keeping properties. There was a good deal of information on this topic in Remington's "Pharmacy."

Mr. Hyslop, in replying, said that for Gregory's powder and liquorice-powder there was nothing like a nice bright tin if they were to be put up for sale. Answering a question from Mr. Worsley as to what would keep syr. hypophos. co. from going mouldy, he said he thought it was sent out by the wholesale houses in too closely stoppered bottles, and that it was a great mistake to stopper syrups too tightly. It was made thin so that it should not precipitate.

Insect-flowers or Chamomiles?—Either the "French Minister to Montenegro," who is alleged to have supplied the following information, or the translator who prepared it for the London Chamber of Commerce *Journal*, has got into a terrible muddle:—"Wild camomile grows abundantly in Montenegro, and has been exported thence to Trieste for thirty years. It was a profitable trade until 1881, when the price fell from 250 florins to 15 florins per quintal, because the Americans got a lot of European camomile-seed and raised it in California. The American article, however, lacked strength, and therefore the Montenegrin camomile insecticide rose again to its old price."

Nurse Gray's Cancer-cure.

A PRESCRIPTION for "an unfailing cure for cancer" has for some time been advertised in weekly newspapers by a Nurse Gray. Several subscribers who have had the prescription given to them by customers to dispense, and have been unable to correctly render it, ask us to publish a rendering. We are able to do so by comparing different copies, and the subjoined is a literal copy:—

℞	Phenolphthalein	g. j.
	Liq carb detergs	8 drs.
	Folorigani recent	16 oz.
	Olmenthpippip Sol	2 drs.
	Olsambuei vir recent	8 drs.
	Lanolinum anhydrous	6 oz.
	Alcohol ethylicum, sp°. 797 ...	80 oz.

Mix well together, and after macerating with occasional stirring in a warm place for twenty-four hours strain through muslin into a suitable vessel and apply a gentle heat until reduced to a thick cream.

A small quantity to be applied to the affected part, after bathing with warm water every night and morning until a cure is effected.

The prescription is accompanied by the following letter, written in a woman's hand (apparently different from that of the prescription, unless the latter is disguised). It seems to be a stock letter, as the date and word "Madam" have been filled in:—

8 Southampton Buildings, Holborn, W.C.
May 5, 1897.

Dear Madam,—I have much pleasure in forwarding recipe of "Cancer-cure" which has completely cured me and many others after great suffering.

The preparation, unfortunately for some, is very expensive, although, when it is remembered that it effects a cure in this terrible complaint, it is hardly fair to call it expensive.

The quantity prescribed on the prescription is sufficient in all ordinary cases to destroy the growth, relief being felt after the first few applications.

Providing you have the genuine ingredients dispensed, the prescription should cost you 20*s*. Should you be charged less, you can rest assured that inferior drugs have been substituted, which, I am sorry to say, too frequently happens, on account of very few druggists keeping these rare and costly remedies.

If, therefore, you have not a reliable chemist, I would be pleased to prepare it for you, and forward per post on receipt of the said amount.

I cannot offer to make you a smaller quantity, on account of the peculiar nature of the preparation, considerable waste resulting in preparing the smaller as the larger quantity. However, please yourself how you obtain it. I am only anxious that all poor sufferers should give it a trial, feeling confident that its wonderful remedial properties will be as effectual in your case as in mine.

Trusting you will favour me with the result of its application,

I remain very faithfully yours,
Ellen Gray.

Southampton Buildings are a pile of well-known offices in Chancery Lane, where patent-agents, solicitors, and many kinds of professional and commercial men are in business. On calling at No. 8 a *C. & D.* representative could not discover a Gray, so inquired at the office of the Collector, where he was informed that no Mrs. Gray was a tenant in the buildings, but "letters for Nurse Gray are taken in by Mr. Lugar, second floor back." Our representative could find only one Lugar there—the Lugar Life Linctus Company. A lady answered his call. "Mr. Lugar's?" "Yes." "Are you Nurse Gray?" he asked. "No." "But letters are taken in here for Nurse Gray." "That has nothing to do with me; it is the manager who takes them in." "This letter says that the medicine can be obtained here You must know about that, surely." "I can't give you any information, sir. The manager looks after that in his own private room. He is not in at present." "Do you receive many letters for Nurse Gray?" "They go to the manager's own room, so I can't say." This information was given pleasantly, and as the manager was not in then our representative had to wait another opportunity.

Calling again when the manager was in, our representative—who had previously sent in his business-card—found him to be a smart and well-groomed gentleman of about 30. "What may your business be?" he asked our representative. "I have called about Nurse Gray. Are you Nurse Gray?" "No, sir. Never was a nurse." "You receive letters for her?" "I do," said the manager, who seemed unnecessarily agitated. "Well, can't you tell me something about her cancer-cure?" "Nothing whatever. Never had cancer." "Do you mean to tell me that you have no connection with the Nurse Gray business?" "None whatever." Our representative rose to go. "Can I do anything else for you?" asked the manager genially. "Only to put me in communication with Nurse Gray." "I can do that." "Oh, thank you; and where may I see her?" "Address a letter to her." "And the address?" "Eight Southampton Buildings." "Ah! that is here. Thanks. Are you Mr. Lugar?" "I am the representative of the Lugar Life Linctus Company."

This brought the interview to a close, and that is all we have to say at present about Nurse Gray's cancer-cure.

Business Changes.

Mr. Howland, late with Mr. Matterson, Oxford Street, has opened in Gipsy Lane, Forest Gate.

Mr. Davies, of Thornton Heath, has taken the business of Mr. J. H. Ring, Hindman's Road, East Dulwich.

Mr. Charles Saunders has removed his pharmacy from North Road, Highgate, N., to 50 High Street, Highgate.

Mr. James Fernie, chemist and druggist, late manager with Messrs. Doig & Son, Dundee, has just opened a well-appointed pharmacy at Pierhead, Newport-on-Tay.

Mr. J. C. Pentney has disposed of his chemist's and dental business at 109 St. Benedict's Street, Norwich, to Mr. E. J. Making, formerly of Fleet Street, London, E.C.

Mr. L. Brager, the sole agent in Great Britain for Messrs. Bergmann & Co.'s specialities, has removed from 13 Grindlay Street, Edinburgh, to 356 City Road, London, E.C.

Mr. A. M. Shepherd, formerly of Aberdeen, has purchased the business lately carried on by Mr. Clement Ellis at 79 Grosvenor Road, Highbury New Park, N.

Mr. R. Watson, pharmacist, of Mathinna, Tasmania, has recently transferred his business to new premises, which, according to the local paper, rank among the handsomest business establishments in the island.

Wills of Deceased Chemists.

The will of Mr. Thomas Clarke, chemist and druggist, Stockport, has been proved in London by Mr. H. Howard, 81 Wellington Road North, Heaton Norris, by whom the personalty is sworn at 845*l*. 9*s*. 7*d*.

Letters of administration to the estate of Mr. John Oliver, chemist and druggist, St. James's Place, Liverpool, who died intestate and a widower on February 19, 1896, have been granted to Mr. John Oliver, the son and one of the next-of-kin of the deceased, whose personalty amounts to 113*l*. 2*s*. 5*d*.

The will with a codicil of Mr. Paul Wardropper, chemist and druggist, Huddleston Street, Cullercoats, who died on February 29, 1896, has been proved by Mr. J. W. Wardropper, North Thirsk, the son, and Mr. John Wardropper, chemist and druggist, Newcastle-on-Tyne, the grandson of the testator, whose personalty amounts to 212*l*. 5*s*.

The will of Mr. James Burrough, 56 Cale Street, Chelsea, rectifier, who died on March 7, has been proved by his brother Mr. John Burrough, 109 Lupus Street, and Mr. Thos. Tedbury, 70 Victoria Road, Finsbury. The personalty amounts to 20,703*l*. 13*s*. 4*d*. gross and 14,146*l*. 8*s*. 8*d*. net.

The will of Mr. G. T. Huggins, chemist and druggist, Chipping Barnet, who died on February 3, is proved by Mrs. Huggins, the widow, Mr. S. Huggins, the son, and Mr. Wm. Snell, of Crediton. The personalty amounts to 4,538*l*. 11*s*. 6*d*. gross and 4,494*l*. 18*s*. 9*d*. net.

Trade Reports.

42 CANNON STREET, E.C., *May* 27.

THE general position of the week under review shows no change upon that of the preceding week. Business has, on the whole, been rather quiet, although there have been several alterations, especially in the prices of chemicals. Quinine and cocaine remain extremely firm, and both are not unlikely to advance shortly. Cream of tartar is steady, and there has been an improved inquiry, at somewhat better rates, for citric and tartaric acids. Refined camphor, however, is dull, and German offers at lower rates for delivery. Carbolic acid is also slightly easier. Sugar of lead very firm, with a rising tendency. Permanganate of potash scarce and firm. In heavy chemicals we have to report a somewhat easier market in soda crystals, and lower rates for sulphate of copper and nitrate of soda. Benzols, green copperas, and aniline oil and salts are also easier, and chlorate of potash is neglected. On the other hand bleaching-powder, caustic soda, and bicarbonate of soda are firm and in demand. Prussiate of potash and miscible naphtha are tending firmer. In the drug-market there have been few changes. The catalogues at to-day's auctions represented an aggregate of 887 lots, of which 265, or 30 per cent., found buyers during the sales. A fair proportion of goods also changed hands afterwards. The principal alterations are as follows:—Socotrine aloes is tending higher. Cape aloes remains firm. Buchu-leaves scarce and firmly held. Cardamoms show an advance of from 1*d.* to 4*d.* per lb., according to quality. S. Amer. Loxa bark sold cheaply. Sumatra benzoin easier. Croton seed neglected and tending easier. Ergot of rye and Jalap also neglected. Crude camphor offers at lower prices. Canella alba and common gamboge are lower, and for Mexican sarsaparilla a decline of ½*d.* was accepted. Jamaica honey in demand at higher rates. Fine dragon's blood still realises extreme prices. Grey Jamaica sarsaparilla is well maintained in value, and so is beeswax. Ipecacuanha about 5*d.* dearer for the Brazilian, and 2*d.* for the Colombian variety. Gum myrrh steady. Jamaica beeswax in good demand at firm rates; Madagascar unaltered. Balsams copaiba and Peru neglected. Calumba and colocynth show no change. Musk sold fairly well. In essential oils there is little alteration. Opium steady, good varieties being particularly scarce. Rhubarb and senna unaltered. With regard to spices, drysalteries, &c., we have to report that shellac is irregular; fine second orange sold at auction at 1*s.* to 2*s.* decline; ordinary at about 2*s.* advance. Privately the market is dearer. Bengal turmeric is steady, Smyrna galls very firm. There has been a considerable business in pepper privately, but at auction black was quiet, and white easier. Zanzibar cloves flat. Cochin ginger is dull, Jamaica in large supply and about 2*s.* lower. Nutmegs are firm, but mace is slow of sale. Quillaia-bark is much dearer. Quicksilver very firmly held. Linseed oil has reached the lowest price on record. Rape oil unchanged, both for crude and refined. Cotton oil very dull of sale. Cocoa-nut, palm, and olive oils are unaltered, and the same applies to turpentine and petroleum.

Tolu tests.

It will be remembered that last year, when tolu balsam was temporarily extremely scarce and dear, several parcels of a balsam offered as tolu, and outwardly closely resembling the acknowledged genuine drug, were brought upon the market. Some buyers looked upon this new kind as quite genuine gum, though, perhaps, from a somewhat different district than that to which they had been accustomed, and slightly differing from the "old-fashioned" variety in appearance. Others rejected the "new-fashioned" tolu as spurious. In spite of the objections entertained to it in certain quarters the new tolu gum maintains its hold on the market, and consignments are now regularly received and sent into consumption at about 10 per cent. below the price of the "old-fashioned" drug. An analysis of four samples, representing a parcel of 51 cases of this new gum (now gone into consumption), gave the results summarised below. For purposes of comparison we append an analysis of four samples of undoubtedly genuine gum:—

Mark	Appearance under microscope	Soluble in carbon bisulphide p.c.	Phys. char. of carb. bis. residue	Total acid No. of carbon bisulph. residue.
No. 1. New-fashioned	Amorphous	52	Amorphous, viscid, resinoid mass	265
No. 2. "	"	47		274
No. 3. "	"	55·4		230
No. 4. "	"	49·9		270
A Genuine	Full of crystals	30·7	White crystals	320
B "	"	33·8		331
C "	"	20·1		340
D "	"	27·1		364

The "new-fashioned" samples are under some suspicion of being adulterated with storax, and, from the absence of crystals, it looks as if the balsam were first exhausted.

Disinfectants for Russia.

The Imperial Russian *Official Gazette* contains a notification to the effect that all disinfectants, purchased abroad by Russian imperial or civic authorities will be admitted into Russia free of Customs duty.

Bergen Telegram.

Our Bergen correspondent wires, on Wednesday evening that the Finnmarken fishing is making very poor progress. The total catch of fish in all Norway has, up to the present, been 51,745,000, against 45,490,000 in the corresponding period of 1896, and the total quantity of medicinal oil manufactured, 26,860 barrels, against 19,400 barrels last year. The oil-market in Bergen is very firm, best new-season's non-congealing being held for 67*s.* per barrel, f.o.b.

Smyrna Opium Telegram.

Our Smyrna correspondent wires on Wednesday evening that the American agents have again appeared on the market, and are buying on the basis of 8*s.* per lb., f.o.b., for fair *Talequale manufacturing* opium. This is a considerable reduction on the last nominal price.

New York Telegram.

Our New York correspondent wires on Thursday afternoon that the drug-market generally is quiet. Fifty bales of Mexican *Sarsaparilla*, he says, have arrived, and found buyers at a slight decline in price. One or two ton lots of *Senega-root* of good quality might be had at 23c. per lb. Seventeen packages of Maracaibo *Balsam copaiba* have been landed, and sold at 27½c. per lb. Truxillo (Honduras) *Sarsaparilla* is quoted at 28c., grey *Jamaica* at 33c., per lb.

ACETANILID.—Is very firm and may be raised shortly by the Convention; 1*s.* 4*d.* per lb. would still be submitted however.

ACIDS.—*Carbolic* acid is rather weaker, and the price of crude must be quoted lower, 2*s.* 1*d.* to 2*s.* 2*d.* per gallon being to-day's quotation for 60 per cent. *Citric* shows a firmer market. The price of *Lawes'* brand is now quoted from 1*s.* 1*d.* to 1*s.* 1½*d.* per lb.; and *Kemball's* is quoted at the same figures. There does not appear to be much in second-hand at present. *Tartaric acid* has also advanced, although not to quite the same extent that some operators claim. It is probable that there would be sellers of foreign tartaric (B.P. quality, not guaranteed) at 12¾*d.* per lb. on

the spot. Foreign makers generally ask 13*d.* per lb.; and *English* is now quoted at 1*s.* 1½*d.* At to-day's auctions 33 packages *Cape argol* sold steadily at good prices—viz., 51*s.* 6*d.* to 52*s.* 6*d.* for dusty pale grey; and 37*s.* 6*d.* for very dusty red.

ALOES.—*Curaçao* aloes was not offered to-day. Of the *Cape* variety, 28 cases were shown, and sold with good demand at steady prices, fine bold hard bright bringing 22*s.* 6*d.*; fair seconds, 21*s.* 6*d.* Fair, partly drossy to ordinary, soft and dull, from 19*s.* 6*d.* down to 15*s.* per cwt. *Socotrine* aloes is very scarce, and realised high prices. Twenty-five bags fair to soft brown realised from 65*s.* to 70*s.* per cwt. Good quality in tins is also scarce, and inquired for.

BENZOIN.—Of *Siam* gum 9 packages were offered. These did not include anything of really fine quality. For small to medium pale loose almonds 17*l.* per cwt. was wanted, but a bid of 16*l.* 10*s.* is to be submitted; partly blocky ditto of rather dull colour are limited at 16*l.* Altogether 3 cases sold —small pea and bean size, good bright brown colour, in block, at 9*l.* 17*s.* 6*d.*, subject to approval, and one case ordinary dark siftings in hard block, without reserve, at 65*s.* per cwt. For a lot of small to medium, partly loose rather dull pale almonds, a bid of 11*l.* was refused. Of *Sumatra* benzoin, 219 packages were offered, of which 50 sold at easier prices; very good pale almondy seconds, fairly well packed, 7*l.* 17*s.* 6*d.* to 8*l.*; partly false packed ditto, fair centres, 6*l.* 12*s.* 6*d.* to 7*l.* per cwt.; common grey seconds with a few almonds at 75*s.* to 80*s.*; and a parcel of dull seconds, rather false packed, at 90*s.* per cwt., the last-named subject to approval. Of *Palembang*, a small quantity of ordinary grey was bought in at 24*s.* to 26*s.* per cwt.

BUCHU.—Firmly held, higher prices being generally asked. Only 6 bales of good green round leaves were offered to-day; a bid of 3½*d.* per lb. was rejected for this lot.

CALUMBA.—In fair demand at steady rates. Only 60 bags were offered, of which 20 sold at 30*s.* per cwt. for fair yellow sorts. The other lots, showing similar quality, were bought in at from 30*s.* to 32*s.* 6*d.* per cwt.

CAMPHOR (CRUDE) lower. No business is reported this week, but in second-hand it would be possible to buy *Japan* camphor at 95*s.*, and *Formosa* at 85*s.* per cwt., c.i.f. terms, for July-August shipment.

CAMPHOR (REFINED).—No alteration has been made in the English makers' prices, but the market is weak, and German refined offers at lower rates. For October-December delivery 1*s.* 3*d.* is asked per lb. for bells, but the German makers appear to be sold out until the end of July.

CARDAMOMS.—It is said that the last shipments of the recent crop of cardamoms have now been made from Ceylon, and that there is only about 150 cwt. of the drug left there, the bulk of which will be required for consumption in India. At auction to-day the supply consisted of 84 boxes only. It was evident that buyers had recovered from the shock of the recent "monster supply," for bidding was very brisk, and prices were higher all round, good to fine qualities being from 3*d.* to 4*d.*, small kinds 1*d.* to 2*d.* per lb. dearer, while for seed an advance was also obtained. About 55 boxes sold as follows:—*Ceylon-Mysore*, medium to bold fine pale, 3*s.* 5*d.*; medium pale, 3*s.* 1*d.* to 3*s* 2*d.*; small, 2*s.* 2*d.* to 2*s.* 4*d.*; small to medium fair yellow, 2*s.* 3*d.*; very small pale, 1*s.* 11*d.* to 2*s.* per lb *Ceylon-Malabar*, medium to bold fair but light, 2*s.* 6*d.* per lb. *Seed*, according to quality, from 2*s.* 5*d.* up to 2*s.* 11*d.* per lb.

CASCARILLA.—Twenty-one packages of fair bright quill are held at 45*s.* per cwt., at which figure it is said that sales have been made privately. For siftings 25*s.* per cwt. is required.

CINCHONA.—At to-day's auctions only *South American* barks were offered. Twenty serons *Loxa* sold cheaply at 7*d.* to 8*d.* per lb. for fair quality, and at 3½*d.* for ordinary damaged ditto. Twenty-three bales of *Bolivian-Calisayan*, thin orange pieces, were bought in at 1*s.* per lb. One bale of *Red bark*, in small thin chips of little colour, at 6*s.* per cwt., and 10 bales fair *Carthagena* at 6*d.* per lb. Of a new arrival of 58 bales *Guayaquil*, 2 sold at 7*d.* per lb. for fair, partly mossy, and 4*d.* per lb. for very ordinary dull qualtity.

COCAINE.—The *Hydrochlorate* is very firm, and the price out of proportion low compared with that of crude cocaine. It is said that some of the makers are oversold, and that a considerable advance may shortly take place. Sales of moderate wholesale quantities of *Merck's* brand are reported at 9*s.* 9*d.*, and the agents have submitted a bid of 9*s.* 6*d.* for an 100-oz. lot. Some of the manufacturers are not sellers at present.

COLOCYNTH remains quite unchanged. Twenty-nine packages *Turkish* and *Spanish* apple were offered, three of the former selling at 1*s.* 6*d.* per lb. for good pale partly seedy apple, while the *Spanish* was all bought in at 9*d.* per lb.

CREAM OF TARTAR.—Firmly held, but without further change in price. Best white *French* crystals are offering at 73*s.* per cwt. f.o.b. Bordeaux, and at 78*s.* per cwt. on the spot. Powder may still be had at 79*s.* to 81*s.* per cwt. The prospect appears to be in favour of a firm market.

CROTON-SEED.—Buyers are holding off, evidently fearing that further supplies will come in. Eight packages were bought in at auction to-day, fair quality from Bombay at 75*s.* per cwt.

CUBEBS.—Quite neglected. Two parcels, together 28 bales, were shown in the sale, one of fair, rather dusty but not stalky, quality from Bombay was bought in at 25*s.* per cwt., the other, consisting of very small stalky and dusty berries, at 21*s.* per cwt.

CUTTLEFISH.—Five cases broken and partly dark cuttle fish bone from Mangalore sold at 2½*d.* per lb. to-day.

DRAGON'S-BLOOD.—There is a fair supply in the warehouses, but most of it is of ordinary quality. Some parcels have lately arrived, but up to the present have not been found to include fine bright gum. Eight packages were offered for sale to-day, and five of these sold. Bold lump, rather seedy, partly of fine bright colour and partly somewhat pale, perhaps not quite so good as the last parcel, realised the extreme price of 13*l.* 2*s.* 6*d.* per cwt., while fair lump brought 11*l.* 15*s.*, and ordinary dull bricky 5*l.* 17*s.* 6*d.* per cwt. Three cases of common bricky saucers, imported *via* Yokohama, slightly coloured, were bought in at 5*l.* 10*s.* per cwt.

ERGOT OF RYE entirely neglected. About 40 packages of *Spanish* and *Russian* ergot were shown, but no sales were effected. For extremely wormy *Spanish* ergot a bid of 3*d.* per lb. is to be submitted, and for fair slightly wormy *Russian* 5*d.* per lb. would be accepted. A lot of good bold very slightly wormy *Spanish* of new importation was shown, and bought in without mention of price.

GAMBOGE.—Only common quality was offered, and this continues to sell at low prices, 5 cases out of 33 changing hands, common *Saigon* pipe, with very little colour, at 5*l.* per cwt. (showing a further decline of 10*s.*), ordinary broken pickings at 6*l.* *Saigon* and *Siam* gum mixed, partly blocky and ricy in fracture, was bought in 8*l.* 10*s.* per cwt.

GLYCERINE.—The market is still neglected, but a slightly firmer tone is said to be apparent, aud in various quarters we hear that there are signs of a sudden recovery in the near future. It is said that America, which has been out of the market for some time, is again about to recommence buying. Double-distilled s.g. 1·260 may still be had at 57*s.* per cwt.

GUAIACUM.—Fine quality was not represented. Medium and white grades sold cheaply at 1*s.* 3*d.* per lb. for block and loose mixed, of fair quality, and 6½*d.* for ordinary drossy pieces.

GUM ACACIA.—At auction to-day a considerable quantity of *Soudan* sorts was offered, and almost all bought in. For fine picked *Trieste* gum 14*l.* 10*s.* per cwt. was asked, and 2 cases of small yellowish grains realised 6*l.* 15*s.* per cwt.

HONEY.—A strong demand was manifested to-day for *Jamaica* honey, of which 47 barrels were offered at auction. The whole of these, excepting 6 barrels, sold, with good competition, at an advance of from 1*s.* to 2*s.* per cwt. Good clean brown liquid realised 28*s.* 6*d.* to 30*s.*; rather thin, and more or less dirty, partly candied, from 27*s.* to 28*s.* per cwt. Other varieties of honey were neglected, 40 barrels candied *Chilian* being bought in at 35*s.*, and 29 cases *Italian* pale and yellow, rather dull candied, at 40*s.* Fifty cases

Queensland honey were also bought in at 30*s.* per cwt. A parcel of 161 tins of pale candied *Canadian* honey of peculiar taste and aroma was bought in, a bid of 20*s.* per cwt. being refused.

IPECACUANHA.—The 43 bales of *Brazilian* root offered at to-day's auctions created a good deal of attention, and there was much speculation how large an advance on the last sale-rates would be realised. The rise proved to be about 5*d.* per lb., 30 bales finding buyers at 6*s.* 4*d.* to 6*s.* 6*d.* per lb. for fair partly plump sound annulated root, and at from 6*s.* 1*d.* to 6*s.* 3*d.* per lb. for somewhat damaged ditto. Picked root was bought in—nominally at 10*s.* per lb. A few bales of *Carthagena* root (14 were offered) sold at 4*s.* 5*d.* per lb. for fair but mouldy, an advance of 2*d.* per lb. For fine quality 4*s.* 6*d.* was refused, 5*s.* being the alleged limit.

JALAP.—For part of 40 bales "unworked," partly mouldy to fair Vera Cruz jalap a bid of 4½*d.* per lb. was made, but the lot was bought in at 6*d.* per lb.

LEAD ACETATE. — The combined makers, who have hitherto made contracts for delivery all over the year, now refuse to sell beyond June. Their price remains 23*l.* per ton, c.i.f., for 5-ton lots, but with the advance in the metal higher quotations are looked for.

MUSK.—There is only a moderate stock, but it moves off very slowly. At to-day's sales, however, a few tins actually found buyers—a rare occurrence. Of Tonquin pods, first pile, 1 tin "old-fashioned," fair shape, fairly dry and well trimmed, sold at 56*s.* 6*d.* per oz. Fine blue thin skin pods were bought in at 95*s.* per oz. Two tins of this character are said to have been sold privately at 87*s.* 6*d.* per oz. Of third-pile pods, 2 tins fair "old-fashioned" pods, small to bold, slightly damp, partly untrimmed, realised 25*s.* 6*d.* per oz., subject to approval. For blue and brown, very damp, thin skin pods, partly trimmed, 45*s.* per oz. is the price. Five caddies unsorted musk, thin blue and brown skins, were bought in.

MYRRH.—A fair demand exists privately, and prices are firm. At auction, however, it is scarcely possible to make any headway; to-day, for instance, 48 packages were bought in, with the exception of one of coarse siftings, which realised 50*s.*—about 2*s.* above the last figure. Good pale native picked was bought in at 6*l.* per cwt.; for fair quality 80*s.* per cwt. is said to have been refused.

OIL (COD-LIVER).—Still quiet, but with a somewhat hardening tendency. It is thought that as soon as the bulk of this season's output has gone into the hands of the large exporters much better prices will be seen.

OILS (ESSENTIAL).—In *Chinese* essential oils there is practically no alteration this week. For *Oil of cajuput* it is reported that there has been a fair demand, at about 3*s.* per bottle for good green quality. There has also been an improved inquiry for *Italian oil of lemon*, although prices show no alteration as yet. At auction to-day 2 cases, marked "D. Battaglini, Palermo," were bought in at 3*s.* 6*d.* per lb., and for a parcel of 9 cases ordinary quality 2*s.* 4*d.* per lb. is quoted as the price. *Oil of lemongrass* has been in fair demand, at about 2½*d.* per oz. Forty-two cases, of 12 bottles each, from *Travancore* sold to-day at 2⅜*d.* per oz. *American oil of peppermint* is reported to be slightly firmer. From France lower prices are reported for *Oils of thyme* and *Rosemary*, with a prospect of a further reduction as the season approaches. For 3 cases fair *Cinnamon oil* at auction to-day 1*s* 5*d.* per oz. is to be submitted; and 3 cases yellow *Eucalyptus oil* of poor aroma, re-imported from St. Petersburg, sold at 9*d.* per oz.; while for 6 cases *Portuguese globulus oil* 2*s.* per lb. is required. Five cases Fisher's oil were bought in at 1*s.* 3*d.* per lb. One case of American *Sassafras* oil sold at 1*s.* 9½*d.*; and for a case of *Laurel oil* from Br. Guiana a bid of 1*s.* per lb. will be submitted. An offer of 6*s.* 3*d.* per lb. was made for a case of *Cassia oil* (84 to 87 per cent.), but not definitely accepted.

OPIUM.—The market for Turkish opium has been quieter this week, with less demand, although prices remain very steady at 11*s.* 9*d.* to 13*s.* 6*d.* for good to fine *Soft-shipping*; 8*s.* 6*d.* to 10*s.* 6*d.* for second ditto; 8*s.* 6*d.* to 9*s.* 9*d.* for good to fine; and 7*s.* 6*d.* to 8*s.* 3*d.* for second druggists'. Fine *Persian* has been sold at slightly higher prices—viz., 10*s.* 6*d.* to 11*s.* per lb.; for common to very good from 8*s.* to 10*s* is asked.

PHENACETIN very firmly held at 3*s.* 11*d.* per lb. for 1-cwt., and 4*s.* 3*d.* per lb. for smaller, wholesale lots. A big order, limited at several pence below the cwt. price, was rejected a few days ago, and subsequently an advance on the first bid was paid. The agents are not inclined to sell without previous consent of the makers.

POTASH (PERMANGANATE).—The available supply seems to be very small, and small crystals readily realise from 72*s.* 6*d.* to 75*s.* per cwt. The manufacturers refuse to increase their quotation at 70*s.* per cwt. for the article, but they have great difficulty in supplying. There is, however, a considerable quantity of *Permanganate* in second-hand, because one of the manufacturers early in the year sold a considerable quantity at about 65*s.* per cwt.

QUICKSILVER.—The expected advance has not yet taken place, but the market is extremely firm, at 7*l.* 7*s.* 6*d.* per bottle from the importers, and 7*l.* 7*s.* in second-hand. It is reported that mercury deposits, which can be profitably worked, have been discovered in a mine at Trstin, in Croatia, Austria. A London company, it is said, have already acquired the property.

QUININE.—The situation is very uncertain. The *Brunswick* factory still quotes 9½*d.* nominally, and *Howards'* only 9*d.* per oz. for bulk, but the makers are very careful to whom they sell, as they do not wish to encourage speculation. The *Auerbach* factory is not a seller at present, but on Monday *B. & S.* offered for July-August delivery at 8½*d.* per oz. They have sold several small lots to druggists, but they refuse to deal with brokers and speculators. Among other business which was rejected was one order for 10,000 ozs. for shipment to America. To-day they are not selling at all. On the spot the market is firm, and it is doubtful if much can be had below 9*d.* per oz., or even at that figure. At auction one case of ten 100-oz. tins of *Tallandier's* realised 8½*d.*, and a case of twenty 100-oz. tins *Dubosc*, 8¼*d.* per oz., the last-named figure being subject to approval.

RHUBARB.—The London stock is now very small and the position of the drug generally seems extremely quiet. Nevertheless it seems difficult to effect sales. At auction to-day 68 cases were offered, but only about 12 sold.

SARSAPARILLA.—Genuine grey *Jamaica* remains extremely firm and sells well at full prices. Twenty-nine bales sold to-day at 2*s.* 2*d.* per lb. for sound, and from 2*s.* 1*d.* to 2*s.* 2*d.* for damaged quality. Five bales fair reddish *Native* were bought in to-day, 1*s.* per lb. being refused for one lot. Of *Mexican* root 50 bales of new import were shown. They were mostly of quality above the average, not at all chumpy, and 40 sold at 2¾*d.* to 3*d.* per lb., which is about ½*d.* below valuation. Eighteen serons *Honduras* were also bought in, mostly at 1*s.* 3*d.* per lb.

SEEDS (VARIOUS).—Thirty bags of bright *Annatto-seed* from Madras sold to-day at 3*d.* per lb., while for another lot a bid of 2¾*d.* was refused. Of *Anise* 30 bags of fair quality sold without reserve at 14*s.* 6*d.* per cwt. Another lot was bought in at 16*s.* Twenty cases good *Chinese star-anise* are held nominally for 95*s.* Fifteen bales *Japanese fennel* were bought in at 17*s.* per cwt. *Caraway-seed* remains cheap, and offers at 18*s.* per cwt., c.i.f. from Holland. Three bags *Kombe strophanthus* seeds were shown, and bought in at 3*s.* 3*d.* per lb.

SENNA.—*Tinnevelly* leaves are fairly steady, and without change. Only 155 bales were offered at auction, of which 67 sold, at from 2½*d.* to 3*d.* per lb. for fair medium greenish, ¾*d.* to 1¾*d.* for ordinary small, partly specky, and from ½*d.* down to ¼*d.* per lb. for very common quality. Of *Alexandrian* leaves, 36 cases were bought in, medium to bold picked at 1*s.* per lb., 8½*d.* being refused.

SPERMACETI. — Is lower. The English refiners, who formerly quoted at least 1*d.* more than the Americans, now offer at the same price, viz. 1*s.* 4*d.* per lb.

SUGAR OF MILK tending lower; best powder offers at 63*s.* 6*d.*; crystals at 65*s* per cwt. on the spot.

TRAGACANTH.—Of over 2,000 packages of tragacanth offered at auction on May 21, about 700 were sold at and

after the sales at a slight advance on medium and lower grades, and full values for first quality. *Hog* gum, however, was lower. The following are the current quotations:—*Persian* firsts, 13*l.* to 14*l.* per cwt.; seconds, 11*l.* 10*s.* to 12*l.* 15*s.*; thirds, 10*l.* to 11*l.*; fourths, 8*l.* to 10*l.*; yellow and pink to ordinary common, from 8*l.* to 35*s.* per cwt. *Hog* gum, 30*s.* to 65*s.* nominally. *Smyrna* is quite neglected at 11*l.* to 12*l.* for first quality. Since the public sales there has been a good deal of business at full to rather higher prices.

Various Drugs.—At to-day's auctions 50 cases of Japanese crude *Antimony*, of fair quality, were bought in at 21*l.* per ton. Of *Balsam copaiba*, 3 casks good bright *Maranham* were shown, and bought at the nominal price of 2*s.* 2½*d.* The market is rather easier. For 5 cases *Japanese birdlime* no bid could be obtained, and parcels were bought in at 6*d.* per lb. One bag of *Cashew*, or marking, nuts (*Anacardium occidentale*)—an article which is not often seen at the sales—was offered to-day. The quality was good, but there were no buyers; the limit is 2*d.* per lb. Of *Coca-leaves*, 92 bales, partly dark-brown Huanoco, and partly broken green Truxillo, were bought in at 1*s.* per lb. There is no demand at present. *Cowhage*: One tin of rather seedy and woody quality was offered without reserve, but bought in at 3*d.* per oz. Of *Cassia fistula*, 15 packages ordinary loose wormy quality, from Amsterdam, sold without reserve at the low price of 5*s.* 6*d.* per cwt. Of 60 bales *Galangal*, fair to slightly damp quality, 20 realised 14*s.* 6*d.* per cwt. Three bags of ordinary soft, partly blocky *Galbanum* were bought in at 1*s.* 1*d.* per lb. Of *East African gum kino*, 3 packages were bought in, at from 6*s.* to 7*s.* per lb. Genuine *East Indian* is scarce, and was not offered. *Kola-nuts* in rather large supply, and without inquiry. Fifty bags were bought in; they are held at from 3*d.* to 3½*d.* per lb. for ordinary to fair washed *West African*. For five puncheons *Jamaica lime-juice*, mixed as usual with impurities and sediment, 1*s.* 2*d.* per gallon is required. Three hogsheads *Fillan's* refined lime-juice were bought in at 1*s.* 6*d.* per gallon. *Menthol* remains neglected; 4 cases were shown to-day, and bought in, the limit being 5*s.* 9*d.* per cwt. Two barrels *Nut oil*, from Belgium, sold cheaply at 10*s.* per cwt. For 80 bags fair silvery grey *Nux vomica*, from Bombay, 8*s.* 6*d.* per cwt. is required. Five bags small greyish seed sold at 6*s.* 2*d.* per cwt. *Orris-root* was represented by 25 bags, partly offered without reserve. The quality was mostly yellow mixed Verona, and partly small, and the lots were bought in at from 38*s.* to 45*s.* per cwt. *Orange-peel* remains plentiful, and is difficult to sell. For fine thin Malta and Tripoli strips from 7*d.* to 9*d.* per lb. is asked; but 5 cases very fine quality were sold at 5½*d.* Three bales *Patchouli-leaves*, not very stalky, but broken and dusty, were bought in at 8*d.*, an offer of 3*d.* being refused. *Quillaia-bark* is much dearer. For 12 bales shown at auction to-day 19*l.* per ton is asked. *Saffron* firmly held, with few sellers. For fine *Valencia* 44*s.* to 45*s.* per lb. is asked. *Squills* neglected, at about 2¾*d.* to 3*d.* per lb. for good pale quality. Ten tins *St. Ignatius beans*, which have been offered before, were again bought in at 6*d.* per lb. Another article not often shown at auction is *Castile soap*, of which two cases of 84 lbs. each in blocks, mottled quality, made in Marseilles and marked "Pure Castile soap," sold cheaply at 5*s.* per cwt. One-cwt. case small cakes, same make, realised 10*s.* per cwt. Ten cases *Tonca-beans* were bought in, 1*s.* 9*d.* being asked for fair black *Para*. *West Indian tamarinds* selling cheaply, 115 packages fair fresh Antigua realising 10*s.* to 10*s.* 6*d.* per cwt. to-day.

Wax (Bees').—*Jamaica* wax in demand, at firm prices, 37 packages being offered and sold at from 8*l.* 7*s.* 6*d.* to 8*l.* 10*s.* for fine bright yellow, 8*l.* 5*s.* for fair red mixed, and 8*l.* to 8*l.* 2*s.* 6*d.* for rather dark. Four casks fair *Aden* wax realised 5*l.* 17*s.* 6*d.*, and 5 packages *Mogador* 85*s.* per cwt. For some fair *Australian* a bid of 7*l.* 2*s.* 6*d.* is to be submitted. Large quantities of *East Indian Zanzibar* and *Chilian* wax were bought in; and of 584 mats of *Madagascar* only 53 mats sold—very fine bright yellow at 6*l.* 7*s.* 6*d.*, fair grey at 6*l.*, wormy ditto at 5*l.* 15*s.* per cwt.

The Market in Heavy Chemicals.

The business passing in the heavy-chemical market continues steady, a very fair demand for all the main products being prevalent. Inquiries for export are well maintained, whilst the general demand for home consumption shows a slight increase. *Bleaching-powder* easily maintains its firm position, and *Caustic soda* is in heavy request. *Soda crystals* are slightly easier, but without quotable change. *Sulphate of copper* has receded somewhat, and now stands at 17*l.* per ton for Anchor-brand, Liverpool 16*l.* 5*s.* *Sulphate of ammonia* fairly steady: Beckton, 7*l.* 6*s.* 3*d.*; Beckton terms, 7*l.* 5*s.*; Hull, 7*l.* 10*s.*; Leith, 7*l.* 10*s.* to 7*l.* 11*s.* 3*d.*; London, 7*l.* 8*s.* 9*d.* to 7*l.* 10*s.* Exports from Leith last week amounted to 123 tons. *Chlorate of potash* weak and unchanged. *Prussiate of potash* firmer, at 5½*d.* to 5¾*d.* *Nitrate of soda* easier: refined 8*s.*, ordinary 7*s.* 9*d.* *Benzols* are again quoted lower: 90-per-cent. 1*s.* 6½*d.*, and 50-per-cent. 1*s.* 11*d.* *Carbolic acids*, crude and crystals, easier. *Naphthas* firm, and miscible tends upwards. *Aniline oil* and *Salts* again lower, at 6¼*d.* and 5½*d.* respectively. *Bichromates of potash* and *Soda* moving steadily at late rates. *Green copperas* easier. *Alum* quiet. Bicarbonate of *Soda* in brisk request. *Ammonia alkali* steady. *Saltcake* moving steadily. *Hyposulphite of soda* in fair demand. South Durham *Salt* in request at late rates. *Anthracene* very quiet, 30 "A" 6½*d.* and "B" 5*d.* *Cream of tartar* unchanged.

The Liverpool Drug-market.

Our Liverpool correspondent, writing on May 26, reports that business done in *Castor oil* has been fair, but there are signs of slight weakness among some holders, and the price for good seconds Calcutta has receded to 3*d.* to 3 1/16*d.* per lb. First pressure French is held for 3*d.* per lb., second pressure 2⅞*d.* The market has been cleared of Bombay at 2⅞*d.*, and Madras is held for 3⅛*d.* per lb. *Quillaia* bark has got into a very small compass and the holders are now asking 17*l.* per ton—a considerable advance since the first of the month. *Gum acacia* sorts are moving off rather slowly, but at steady prices, 65*s.* per cwt. being paid for pale hard No sales are reported of medium, but there is a good deal of inquiry experienced for gum at about 30*s.* to 40*s.* per cwt., the supply of which is very meagre. 66 bales of *Scammony root* just landed have been offered at auction, but there were no bids; the lot was withdrawn, and 35*s.* named as the price. *Canary seed* is weaker, and one sale was made under 26*s.* per quarter, but the nominal price of the day is 26*s.* 6*d.* to 27*s.* per quarter for good bright Turkish. Of *Kola-nuts* 23 packages changed hands at 3*d.*, good dry description. The market for African *Ginger* is very irregular, and sales have been effected as low as 15*s.* 6*d.*, but now values of good dry Sierra Leone may be considered 16*s.* 6*d.* to 17*s.* per cwt. *Sulphate of copper* is steady at the moment at 16*l.* 10*s.* per ton. *Cream of tartar* is still quoted at 82*s.* to 84*s.* for first white of full strength. *Honeys* of all grades are well held—the new arrivals of Chilian meet with a ready market—especially the lower grades. *Beeswax* shows a hardening tendency, and the stocks are being reduced in volume. *Potashes* are steady at 19*s.* 3*d.* to 19*s.* 6*d.* per cwt. *Pearlashes*, 32*s.* per cwt. Of *Jaborandi* a large parcel was offered at auction, but no bids were made.

The Hamburg Market.

Our correspondent writes on May 25:—Business is very dull here, and there is only very little doing in our drug-market. *Antimony* remains firm, at 40½m. per 100 kilos. *Agar-agar* is quieter, and can be bought at 265m. to 270m. per 100 kilos. *Balsam Peru* is easier, at 16m. per kilo., and *Balsam copaiba* quotes lower, at 4·25m. per kilo. for genuine Maracaibo. *Balsam tolu* is unchanged, at 5¼m. to 5½m. per kilo. *Borax* is quiet, at 40m. per 100 kilos. *Camphor* (*refined*) lower; prices have been reduced for spot delivery at 285m., June at 280m., July at 265m. per 100 kilos. *Cassia lignea* continues quiet, at 72m. per 100 kilos. for new crop. *Ergot of rye* quiet, at 90m. to 95m. per 100 kilos. *Honey* shows a quiet market; Valparaiso is quoted 21m. to 23m. per 50 kilos. for new arrivals. *Menthol* quiet, at 13m. per kilo. *Cod-liver oil* shows a better tendency and a steadier market, at 69m. to 70m. per barrel for 1897 non-congealing oil. White sweet filtered *Seal oil* is a little firmer; Newfoundland oil to arrive is held at 46m. per 100 kilos. in casks. *Castor oil* steady: spot scarce, at 58m.; forward delivery at 56m. per 100 kilos. for French oil of first pressing. *Linseed oil* dull; Dutch oil can be bought here at 28¼m. per 100 kilos. in barrels, which is the lowest

price ever known. *Peppermint oil*: HGH is steady, at 6⅝m. per lb. *Citronella oil* and *Cassia oil* show very little demand. *Quinine* is steady, at 23m. to 25m. per kilo. *Spermaceti* easier, at 295m. per 100 kilos. *Shellac* is dull, and without demand; there are very cheap offers of AC and SG in our market, but buyers are very scarce. *Spirits of turpentine* very firm; spot oil is scarce, with a strong demand, at 44m. per 100 kilos., while to arrive can be bought at 43½m. today. *Lycopodium* unchanged, at 265m. per 100 kilos. *Star-anise* quiet, at 160m. to 165m. per 100 kilos. *Carnauba wax* is firm for grey, at 85m. per 100 kilos.; medium is quoted at 115m., yellow 150m. per 100 kilos. *Japan wax* quiet, at 73m. for spot delivery; 70m. to 72m. per 100 kilos. to arrive.

The Amsterdam Market.

Our Amsterdam correspondent writes on May 27 that up to the present 4,193 bales and 120 cases of Java cinchona have been entered for public sale on June 10. They contain about 358,180 kilos. of *Pharmaceutical* bark, representing 2,070 kilos. of sulphate of quinine, or the extremely high average of 5·78 per cent. The 25,457 kilos. of *Pharmaceutical* bark contain 689 kilos. of quinine. In the course of last year the average equivalent of quinine in the *Manufacturing* barks offered at the ten sales of that year amounted to about 30,770 kilos., so that the June auction shows a decrease in this respect of over 30 per cent. The average quinine-content of the first five auctions of the present year is 28,500 kilos., but this includes a considerable proportion of second-hand parcels, and several lots of bark imported some years ago. Considering that the first-hand stock of bark in Amsterdam has now sunk to 1,612 packages of Government and 1,054 packages of private plantation bark, including many parcels of very old import, the position of quinine may be considered to have undergone a decided change for the better within the past few weeks. Since the May auctions about 500 bales of *Manufacturing* bark, representing about 2,960 kilos. of quinine, have been sold privately at prices exceeding the auction unit. Our correspondent also points out that the refusal of the combined factories to sell quinine to any considerable extent has generally been the precursor of an advance in quotations on their part.

The Smyrna Opium-market.

Our Smyrna correspondent writes on May 14 that all the buyers appear to have deserted the market. Holders are becoming nervous, and seem anxious to accept a reduction on their last quotations. There is, however, a rumour that the large buyer who has been the principal operator lately intends again to come into the market about May 20 (see our telegram above). There is every prospect that the first arrivals of the new crop will have to be sold at very low prices, for the stock in America is very large—at least 3,500 cases, or sufficient for eighteen months' average consumption. In 1886, when the conditions now prevailing in America did not exist, and the crop was estimated at about 10,000 packages (the same as this year), the price on the arrival of the new crop fell to the equivalent of 5*s.* 8*d.* per lb. for *Current talequale*, of which first arrivals are almost always of inferior quality; and afterwards the average price for some considerable time was 6*s.* 6*d.* per lb. Rain has fallen all over the growing district, and seems to have finally assured the excellence of the crop. There are now some who talk of a yield of 12,000 baskets.

Henbane Oil as pressed from henbane-seed has a specific gravity of 0·939 at 15° C., and contains oleic, palmitic, and another fatty acid.

Bacteria in ink.—Dr. Marpmann, of Leipzig, has recently published the results of the microscopical examination of sixty-seven samples of ink used in schools. Most of them were gall inks, and contained saprophytes, bacteria, and micrococci. Nigrosin ink, taken from a freshly opened bottle, was found to contain both saprophytes and bacteria. Red and blue inks also yielded numerous bacteria. In two instances Dr. Marpmann succeeded in cultivating from nigrosin ink a bacillus which proved fatal to mice within four days. The presence of these pathogenic organisms in ink accounts for the nasty sores which sometimes result from the scratch of a pen.

Correspondence

Notice to Correspondents. *In writing letters for publication, correspondents should adopt a concise, but not abbreviated, style. They are requested to write on one side of the paper only. Letters, with or without a nom-de-plume, must be authenticated by the name and address of the writer. Queries should be written on separate pieces of paper, and the regulations printed under the sections to which they apply should be strictly observed.*

Fluid Extracts and Tinctures.

Sir,—I have read with much interest the remarks by Mr. George Roe, in your issue of May 23, on fluid extracts. I am sufficiently acquainted with Mr. Roe to be aware that he is an impartial and accurate observer, and his remarks naturally claim attention.

As regards difference in the physical appearance of the fluid extracts sent out by different manufacturers, this is largely due to the fact that there is no official method of preparation for many of the extracts. In such cases the different conditions in which the plant is used, the menstruum or strength of menstruum, and other factors, influence the appearance of the resulting fluid. But there should certainly not be marked differences between different samples of a fluid extract offered by any particular firm.

The therapeutic value of fluid extracts may be subject to variations such as have been observed in tinctures. Considerable skill and experience are required in their manufacture. The knowledge of the variety, the method of collection, drying, and storing of the plant, &c., require particular care and attention, while there is requisite a knowledge of the effects of different solvents on the contained active principles. But responsibility on the part of the manufacturer does not end here, and is not considered to so terminate by the firm with which I am connected (Parks, Davis & Co.). They assay not only the crude drug, but the finished extract, while some (which do not contain a known active principle) are physiologically tested. Contrast this with the haphazard methods in operation for making tinctures. In the summer of 1895 Messrs. Farr and Wright reported on the strength of 154 commercial samples of the alkaloidal tinctures of the B.P., their results disclosing "a very wide range in alkaloidal value, some of the tinctures being twice or three times the strength of others, and it may be a matter of surprise to many to find that this is the case even with such tinctures as those of opium and cinchona, both of which are directed to be made from standardised drugs. In the case of tincture of nux vomica, too, it might be expected that the variation would be almost *nil*, but it appears that such is not the case, for, whilst in no case is the B.P. standard exceeded, one tincture is only about two-thirds as strong as it should be, and several others are deficient in alkaloid. The tinctures of conium were most of them absolutely worthless, and in only one instance did the tincture appear to have been made from dried green fruit as directed in the B.P." You aptly remarked at the time in your article on the report that "It is difficult to summarise their conclusions in a longer sentence than one. The tinctures are wretchedly bad."

In comparing fluid extracts and tinctures one must have experience with each class of preparations, otherwise incorrect deductions are likely to be formed. I have noticed that prejudice is largely responsible for some of the pronounced views regarding the relative values of these preparations, and also that there is much apathy in respect to having proof of therapeutic value; while some expect that preparations of drugs containing resins, oils, &c., known to be insoluble in water will be perfectly miscible with water. An aqueous solution of the active ingredients of many drugs is impossible. A good instance of this is *Chelidonium majus* referred to. Here chelidonine is insoluble in water, while another principle, glaucine, although soluble in hot water, is precipitated nearly completely when the liquid becomes cold.

As Mr. Roe refers to the fluid extract of this drug, I would call attention to the report on it by Dr. C. D. Spirak, printed

in the *Therapeutic Gazette* for April, page 229, where the author says:—

Chelidonium contains, besides various extractives and tar-products, chelidonic and chelidoninic acids, two alkaline principles—chelidonine and chelerythrine—and a neutral crystallisable principle, chelidoxanthine. Dr. James Schiels, of St. Louis, has found chelerythrine to be identical with sanguinarine. Selle (*Archiv. der Pharmacie*, 1890) has found three other alkaloids, which he named respectively α-homochelidonine, β-homochelidonine, and protopine. The aqueous extract should possess the following properties:—Homogeneous liquid, greenish-grey or greenish-brown colour, of oily consistence, somewhat acid to taste, and possessing a pleasant odour. Administered internally, the dose is 1·5 [c.c.] in peppermint-water, to be increased to 5 [c.c.] in twenty-four hours. When administered externally the parts to be treated are covered with antiseptic gauze saturated in a solution of the extract of chelidonium and distilled water (2 to 1), to be applied once or twice daily. In hypodermic administrations equal parts of chelidonium and distilled water should be used, not more than 1·0 [c.c.] of the solution at a time and not more than once a week.

13 Chepstow Place, W., Yours truly,
May 24. THOMAS CHRISTIE.

B.P. Conference Local Fund.—A Correction.

SIR,—In yours of this date you say it was reported at the Glasgow local committee meeting on May 18 that the sum "of 250*l.* had now been fully guaranteed by the trade in Scotland." Please allow me, as local treasurer, to say that cash received and contributions promised fall short of the sum you name by 100*l.*; neither is it correct to say "by the trade in Scotland," as only chemists in Glasgow and west of Scotland (by whom the Conference was invited to Glasgow) have been asked to contribute.

I will only further add that our committee is satisfied with the way contributions are coming in, and everything that can be done is being done to make the Glasgow meeting in August a success. Yours truly,

JOHN WALKER
32 and 34 Virginia Street, Glasgow, (Local Treasurer).
May 22.

The Queen's Chemists in Manchester.

SIR,—Since Mr. Gibbons does not "regard this as a personal matter," I am relieved from otherwise unpleasant reflections. In regard to the last paragraph of my previous letter, I am not ashamed to admit that I was too hasty in my conclusions. The information given me was that Mr. Gibbons had said that "we" had lost 25 guineas by our action towards him, and I (charitably, I think) took the pronoun to mean our local contribution simply, and that he would send that amount direct, never for a moment supposing that he would visit the committee's sins of omission upon the indigent chemist, his widow, and his orphans. That his opinion is reflected in some other pharmacists I will not attempt to deny. I said I was not aware that any "surprise had been occasioned" by the absence of Mr. Gibbons's name, and I repeat "I am not aware."

As to the "misleading remarks and inaccuracies" contained in the remainder of my letter, I merely reiterate them, and challenge that gentleman to refute them. To be perfectly candid, Sir, when I first read the paragraph in question, I thought it not improbable that a false friend had written or inspired the jumble about "royal druggist," "marble slabs," and "the Benevolent Fund" for the purpose of holding Mr. Gibbons up to ridicule. From his letter, I now see that he approves of that "statement of facts," as he terms it, and I must be excused for saying that I am sorry he could lend himself to anything so puerile or ridiculous.

Having, however, set himself right with any who had felt surprise, &c., it is now open to Mr. Gibbons to show his magnanimity in a right "royal" manner. By a magnificent donation to the fund he may show that he loyally responds to her Majesty's appeal on behalf of charities, and at the same time mark his appreciation of the distinction bestowed upon him. Yours faithfully,

HARRY KEMP.

Assistants in India (and other Topics).

SIR,—As one who has had four years' experience as an assistant in the East, I beg to endorse every word stated by "Another Disappointed One." It has often been my desire to know what prompts young men to so readily offer their services for salaries which are very little better than those obtained in England, and certainly not better to the extent of warranting exposure to such risk to health and otherwise. I suppose the idea is to see the world and save money. Such, at least, was my ambition when I left Old England about five years ago. I would strongly advise anyone not to go out if unqualified, and not to accept any other than a sterling agreement. When I arrived out the value of the rupee was 1*s.* 4*d.*, and when I left it was worth less than 1*s.* 1*d.* So that if I had not arranged for a salary in sterling, I would have been out of pocket to the extent of 3*d.* on every rupee earned. A rupee should never be reckoned as worth more than 1*s.*, and although, I believe, it is quoted at present about 1*s.* 3*d.*, the rise is only temporary, and its tendency is to fall lower. This holds good in other countries, such as the Straits Settlements, which have silver currencies. The dollar there, for instance, is practically worth only 2*s.*—about half its nominal value.

I made a mistake, which I have warned others of—viz., going out before qualifying—and although, since my return, I have been in college practically for fifteen months, I have failed to pass the Minor, owing partly to impaired health, and partly to the abominable manner in which the examination is at present conducted; and it will not be anything else but a lottery until the authorities see their way to conduct it in writing, when, all chance success being reduced to a minimum, students will find it to their advantage not to present themselves for examination till thoroughly prepared.

I may mention, after this digression, that employers have somehow or other got hold of the idea that men after a term abroad are practically useless. Consequently, I have often heard the complaint from assistants, who have been three or four years in India, that they have some difficulty in afterwards getting berths in good-class pharmacies in England. I have had no such difficulty myself. Indeed, I consider that three or four years in Bombay, Calcutta, or Colombo—or any other town having a large European community—furnishes excellent experience. There are very few B.P. preparations I have not had occasion to make during my term out there, and as the firm I was with undertook analytical work, and although such work was always performed by either a Minor or Major man, I managed to get a fairly good insight into it. On the whole, we get more scientific work to do there than at home. In my opinion, the work generally smartens up a man considerably. On the other hand, it is practically impossible to study anything but light literature, on account of the enervating effects of the heat.

I cannot let this opportunity pass without intimating to you the admiration by students, including myself, of the courageous and masterly manner in which you, Mr. Editor, have fought practically single-handed, and resisted to the best of your ability, the latest imposition on the part of the Pharmaceutical Society—viz., the institution of the proposed ten-guinea fee. I can assure you that your efforts to maintain what is right and just are much appreciated by those on behalf of whom they are made.

St. Leonards-on-Sea, JUSTICIA. (130/3.)

The Sale of Poisons.

SIR,—The surprising number of suicides of late of youth of both sexes raises the question as to the advisability of a limit of age for the sale of poisons on a verbal order. At present each chemist uses his own discretion. With me unwritten orders for poisons by children are largely increasing, leaving one in serious doubt as to what is really meant. For example, "a *box* of cipity powder" when ointment is frequently intended. When asked "What is it for?" the answer comes "for 'ed" or a semi-whisper "don't know." I invariably require that someone older must come, or that I must have a written order. But it is rarely I see or hear any more about it. You may say, never mind, you free yourself from probabilities of an inquest; but it is not pleasant after all to think your neighbour is reaping the benefit of one's attributed "fastidiousness or independence." I would much rather be coerced by an Act, which would render such sales illegal, than trust to fellow-craftsmen holding the same view as myself.

Whilst touching on poisons, I would like to ask if it is a straightforward act for the Society's agents trying to induce an apprentice to sell them a bottle of chlorodyne during the master's temporary absence from the shop? Two of them tried the game on with my apprentice the other week, but without success, and they then explained their mission. They said they were journeying through the district trying all the chemists. In my opinion such conduct is mean. A refusal ought to be enough. Yours faithfully,

SAFETY. (77/56.)

Prejudiced Arguments.

SIR,—Just a word on what was said by one of the speakers at the special general meeting about the "prejudice" of the opposition to the proposed by-laws. Surely, sir, no one thinks that those in favour of them are without prejudice or bias in the matter; no one is so ignorant of pharmaceutical politics as to think the said by-laws were proposed primarily for the benefit of chemists' assistants, and with a fatherly regard for their well-being. Of the two sides I consider there was more prejudice on the part of the Ayes than on that of the Noes; but when such a policy operates on the defenceless and those on the ground, so to speak, it does not require much courage to kick them, and to exclaim at the same time, "We'll make the Uitlanders pay."

Yours, &c.,

FAIR PLAY. (130/22.)

Calcium Sulphide in Pills.

SIR,—Some factory-made coated-pills of the above which had been in stock some time were taken by a patient who, previous to taking them, removed a piece of the coating. After some days eight were found in a stool unchanged and quite hard. They were discontinued, although for days they continued to make their reappearance. Naturally this much annoyed the prescriber, and rendered the position of everybody concerned a rather ignominious one. It so happened that the pills when removed were placed in a glass of cold water, and when the physician returned after a few hours' absence he was surprised to find they had fallen to a green powder, and an appreciable quantity of H_2S was being evolved. Some pills were taken from the stock-bottle, and when treated in the same manner gave the same result, proving conclusively that while the pills disintegrated easily in water they were absolutely insoluble in the stomach. The physician's theory is that the pills become coated with grease, and so pass to the large bowel to become embedded in the solid matter which collects there. This may, perhaps, be an isolated case, but it points out the advisability of dispensing freshly-made pills, and using an excipient which will not become hard. Yours truly,

CALCIUM. (124/90.)

LEGAL QUERIES.

We do not give legal opinions by post. Information regarding most legal matters in connection with pharmacy will be found in THE CHEMISTS' AND DRUGGISTS' DIARY *and in "Pharmacy and Poison Laws of the United Kingdom," and Alpe's "Handy-book of Medicine-stamp Duty."*

123/66. *Hibernia.*—The Apothecaries' Assistants' Certificate does not entitle anyone to sell poisons scheduled under the Pharmacy Act. We have no special information as to the salaries Glasgow doctors pay their assistants.

124/35. *Aconite.*—If you (qualified) and your brother (unqualified) associate to keep a shop in which poisons are sold your brother is always liable to a penalty. You may keep the shop and employ him, and then he will only incur a penalty if he sells a scheduled poison.

126/6. *Essex.*—You can only ascertain whether a trade-mark is registered by paying 1*s.* for a search at the Trade Marks Office, Southampton Buildings, London, E.C., or by paying 5*s.* for an application to register the mark. If it is already registered the Registrar will so inform you. If you have acquired a property of some value in a name, you can get an injunction against anyone using the same if you can convince a Court that this is being done fraudulently.

126/34. *Sponge.*—We think it is an infringement of the Merchandise Marks Act to sell "buttermilk purity soap" which contains no buttermilk.

126/73. *Sanitas.*—The British Pharmaceutical Society does not accept the Irish Preliminary in lieu of its own. It would accept a certificate of having been engaged in dispensing from Irish chemists. It does not care where you attend lectures, or, indeed, whether you have attended any.

126/18. *J. R. J.*—A registered veterinary surgeon may compound medicines for animals under his care, but he is not entitled to sell poisons otherwise, or to keep open shop for the sale of poisons.

127/63. *Hopeful* has been asked for his water-rate to Midsummer, and has been threatened that the supply will be cut off unless he pays promptly. He wants to know whether the company would be justified in cutting off the supply if he does not pay? By the Water Works Clauses Act, 1847, all water-rates are payable quarterly in advance on the four usual quarter-days. By sec. 74 of the same Act, if any person neglects to pay the rate the company are authorised to cut off the supply, and recover the rate due and the expenses of cutting off such supply. You had better, therefore, pay your rates at once, and make your peace with the collector.

127/68. *Maloja* (an Englishman residing abroad) wishes to know whether he can recover a debt contracted abroad from a British subject now residing in England? There is nothing to prevent a debtor resident in England being sued for a debt contracted abroad; the only thing is that the law of the country in which the debt is contracted is the law governing the case. As, however, there is a universal law that when a person buys goods he must pay for them, there will be no difficulty in this case on that head. The proper course is to sue the debtor in the local County Court where he resides, and to administer interrogatories to him and make him admit the debt, unless there is already an admission in the shape of a letter or something of the sort, otherwise there may be a difficulty in proving the case without the creditor's personal attendance.

131/4. *Nemo.*—To get rid of an assistant you must give him the notice which is customary in the trade. Among chemists that has frequently been held to be a month's notice. You can discharge him at any time by paying him a month's salary in advance. It is only in cases of flagrant misbehaviour that you are justified in discharging an assistant without notice and without pay.

MISCELLANEOUS INQUIRIES.

Notice to Querists. *We reply to our subscribers and their employés only; queries must, therefore, be authenticated by the name and address of the subscriber. When more than one query is sent write each on a separate piece of paper. When a sample accompanies a query full particulars regarding the origin and use of the sample must be given, and the name of the querist should be placed on the sample. Queries are not replied to by post.*

109/35. *C. H.*—**Sticky Fly-papers.**—Every manufacturer has his own way of spreading these. Some have gone into the business because they had a good spreading-idea, and these are ingenious. We could not describe these machines without breach of confidence, so must ask you to stick to the old-fashioned stub-bristle brush.

110/73. *Crumpsall.* — **Lime-juice and Non-alcoholic Wine Preservative.**—Salicylic acid is most used, in the proportion of 30 to 60 gr. to 1 gall. of the fluid, which should be sterilised by boiling. Sodium metasulphite or a similar salt is used along with salicylic acid for lime-juice; 10 gr. of it to 1 gall. is sufficient.

111/73. *Perplexed.*—**Fothergill's Hydrobromic Acid** has been out of date for a dozen years. It always contains a considerable proportion of potash salt, and that, reacting with some of the constituents of your syr. hypophos., has

given you the deposit which you complain of. It seems to be lime, but as you do not say what is in your syrup we cannot be sure.

111/45. *Compo.*—(1) **Asafœtida for Sauces.**—You will find a drachm or two of asafœtida go as far as a pound of garlic in compounding sauce. (2) **Petroleum-jelly** is a purified natural jelly, and is not made by dissolving resin in vascline oil. Sometimes a mixture of hard paraffin 1 part and the oil 3 parts is sold as a jelly, but it is not satisfactory. (3) **Composition-essence.**—The formula on page 271 of the DIARY contains the information that you ask for.

111/59. *Junior.*—Thanks. You may have noticed that the point has been amply explained.

112/7. *Ignorance.*—The **British Pharmaceutical Preliminary Examination** will admit you to any College of Pharmacy in the United States, where, as a rule, evidence of elementary education is not required by Boards of Pharmacy. If you go with your parents to the States, the course which we would advise you to adopt (assuming that you are still an apprentice) is to get a situation in a drug-store, and stay there until you master generally the differences between American and British methods; then take a course in a College of Pharmacy (Philadelphia and New York are the leading colleges, but there are others in the principal cities of the Union), with the view of getting the college diploma, which entitles the holder to registration in any State, provided in certain cases fees are paid. Two sessions at the college are necessary, and the student must pass examinations in botany, chemistry, materia medica, prescriptions, pharmacy, dispensing, and (in some cases) physiology. If graduation is not desired, one may study privately for the examination of the Board of Pharmacy of the State in which he resides. The examinations are not more difficult than the Minor.

123/25. *Iris.*—**Naval Hospital Dispenserships.**—For information in respect to these appointments see the Educational Number of the *C. & D.*, September 5, 1896. The filling of the appointments is now in the hands of the Civil Service Commissioners, Cannon Row, S.W., who advertise vacancies as they occur. The special regulations are as follows:—

I. The limits of age are 20 and 25, and candidates must be of the prescribed age on the first day of the examination.

II. No candidate will be eligible who does not hold:—

either

(A) A certificate that he possesses the Major or Minor qualification of the Pharmaceutical Society of Great Britain;

or

(B) The certificate of competency granted by the Pharmaceutical Society of Ireland.

Evidence on these points must be sent in at such times and in such manner as the Civil Service Commissioners may appoint.

III. The examination will be in the following subjects:—

1. Pharmaceutical chemistry.
2. Materia medica, including the British Pharmacopœia and its Appendix, poisons and their antidotes, dosage of remedies, and preparation of antiseptic solutions.
3. Recognition of chemicals and drugs employed in medicine.
4. Practical pharmacy, reading of prescriptions, and detection of errors in prescribing.

The examination in subjects 3 and 4 will be vivâ voce.

IV. Application for permission to attend the examination must be made at such time and in such manner as the Commissioners may appoint.

V. A fee of 10*s.* will be required from every candidate attending the examination.

NOTE.—Successful candidates will be required to satisfy the Civil Service Commissioners as to their physical fitness to serve on foreign stations.

118/63. *T. G.*—**Tabasco Sauce.**—We do not know what this is flavoured with.

118/27. *Indian Corn.*—The sample which you send does not come within the scope of our inquiries.

118/32. *Oorain.*—**Zinc Ichthyol Jelly.**—See *C. & D.* DIARY, 1897, page 273, under "Gelatum Zinci."

120/12. *D.* sends us a specimen of an insect which has invaded the house of a gentleman in swarms. Into the particulars of the pest we cannot enter, because the description given by "D." is such as to make us creep; moreover, the specimen is a species of some genus in that immense family of acaridæ which provide man, animals, and birds with those creepin', crawlin' ferlies which caused the immortal bard to say—

> Oh, wad some power the giftie gie us
> To see oursels as ithers see us.

Keating's insect-powder and mercurial ointment seem inadequate for the pest; better fumigate the carpets, &c., in a close chamber.

120/69. *Abroad.*—The only British dispenserships abroad are those of the naval hospitals. See reply to "Iris."

120/9. *Nemo.*—**One-solution Developer.**—See pages 140 and 290 of the current volume.

120/14. *H. E. T.*—The **Shallot** is *Allium ascalonicum*, Linn., and is cousin to the onion, but no relation to the Lady of Shalott.

122/5. *Beta.*—Our publisher supplies back numbers to those who wish them. Cameron's "Oils and Varnishes" (Churchill, 6*s.* 6*d.*) may suit you. We have a book in the press in which all such matters are dealt with. You should wait for it.

122/54. *Argus.*—**How to Charge a Seltzogene.**—Our correspondent has some customers who complain that the charge does not completely dissolve, although he uses the best materials. This we may say is not a question of purity of materials, as it is intended. Most seltzogenes would burst if the charge dissolved quickly, and an excess of bicarbonate of soda is used in order that the salts may dissolve slowly, and the gas be given off correspondingly slowly. The mass that forms is a mixture of sodium tartrate, acid, and bicarbonate, and the pressure of the carbonic-acid gas prevents solution after a certain point. The following are the proper directions (abbreviated):—

> Put in the acid first, then the soda. Screw on the top, and pour some water from the lower into the upper globe. Mix. In half-an-hour to an hour pour a little more water into the top globe, mix, and draw off half a tumblerful of the water.

This second lot of water transferred to the top globe is necessary to dissolve the mass. The same thing would take place by filling more than a third of the upper globe with water at first; but the evolution of gas is so great that the risk of breakage is increased.

124/36. *R. F. D.*—**Trade-marks.**—You will find all about the registration of trade-marks in our DIARY, page 210.

122/55. *V. B.* (Buda Pest).—**Cosmoline** is a soft paraffin, and **Alboline** is also, we think, a petroleum product. We are endeavouring to get full particulars for you.

123/70. *R. A. W.*—In regard to the **Manufacture of Yeast**, your best plan is to consult the volumes of the *Journal of the Society of Chemical Industry* for the past few years. There is no English book of recent date dealing with the subject in its modern developments, but it is treated incidentally in various books on brewing. **Starch-manufacture** is dealt with in one of the parts of Spon's "Encyclopædia," price 2*s.*

97/40. *D. S. B.*—See the reply to "Subscriber."

120/18. *Molar.*—**Books on Surgical Dentistry.**—Gorham's "Tooth Extraction" (Lewis, 1*s.* 6*d.*); Barrett's "Dental Surgery" (Lewis, 3*s.* 6*d.*). Cocaine is quite safe in ninety-nine cases out of a hundred; when the hundreth one comes along you must be prepared with stimulants. It is generally safe to give a draught of spt. ammon. arom. and spt. chlorof., of each ʒss., with aq. ℥iss., before the injection.

123/65. *Concentrated.*—The formulæ for concentrated waters in the DIARY provide 1 in 40 preparations.

124/23. *Ravenscroft.*—**Xylol** is a benzol homologue, distilled from coal-tar naphtha as well as wood-tar. It is used in the arts, in microscopy, and as a solvent for indiarubber.

123/41. *Gardener.*—Chypre = sheep-r.

123/62. *Viscum.*—**Polishing-cream for Patent-leather Boots.**—We presume that the preparation you mean is such as the following:—

Yellow wax	℥iij.
Cod-liver oil	℥j.
Oil of turpentine	℥viij.
Oil of mirbane	a sufficiency

Shred the wax, and melt it with the cod-liver oil and turpentine over a water-bath; then add the perfume.

If this does not give you what you want, send us a sample. Hard paraffin may be used instead of yellow wax.

128/14. *A. P. C.* (Palermo).—**Liq. Ferri Albuminati.**—The formula to which you refer is that of the German Pharmacopœia, and does not give a perfectly clear solution. The following formula of Dieterich's should in this respect suit you. All the ingredients are to be taken by weight:—

Dried egg albumen	1
Distilled water	35

Dissolve, and add to the following mixture—

Solution of oxychloride of iron ...	12
Distilled water	37

Heat on a water-bath for half an hour at a temperature of 90° to 95° C., and when cold add—

Cognac	15
Distilled water to	100

Filter through cotton-wool.

115/51. *Rusticus.*—Please explain what you mean by "stained varnishes."

113/50. *Hop-bitters.*—**Hop-ale.**—See *C. & D.*, January 11, 1896, page 65. The aërated beverage is made with a **Hop-tonic Essence**, such as—

Tincture of hops	℥iv.
Tincture of chiretta...	℥j.
Conc. comp. infusion of gentian ...	℥ij.
Sol. essence of lemon	ʒij.
Caramel	℥ss.
Rectified spirit	℥v.
Water to	℥xx.

Mix the tincture of hop with the same volume of water and mag. carb. lev. ʒij. Shake well for half an hour and filter. Wash the filter with 1 oz. of rectified spirit and the same of water, and mix the filtrates with the other ingredients. The addition of ol. lupuli ʒj. much improves the flavour.

112/60.—*H. W. Shaw.*—**Worm-syrup.**—

Santonin	℈j.
Liq. sennæ dulc.	℥j.
Glycerini	℥ss.
Syr. anisi	℥iiiss.

Rub the santonin to powder, and mix with the glycerine; add the other ingredients, and mix.

Doses: Under one year, ℥ss.; between one and two years, ℥j.; between two and four, ℥iss.; between four and six, ℥ij.; and for older children, ℥iij. To be taken the first thing in the morning, fasting, after the bottle has been shaken.

124/34. *Carman Deos.*—We cannot trace any such article.

116/71. *J. Evans* (Aberdovey).—**Anti-fouling Paints** are generally made with a basis of ordinary paint containing a larger proportion than usual of driers, and mixed with one or more poisons, such as arsenic, corrosive sublimate, hydroxylamine, curara, and many other things, some mixtures being covered by patent. The object of these poisons is to kill the algæ, &c., which grow to the vessels, but sooner or later they cease to exert any influence owing to the sea-water dissolving the poison. Arsenic is, on the whole, one of the best things to use. The proportion should be 1 lb. to 10 to 14 lbs. of paint.

118/26. *W. W.*—**Assay of Spt. Ammon. Arom.**—See Proctor's "Manual of Pharmaceutical Testing," page 157. The method there given is sufficiently indicative of quality, and is a simple modification of the B.P. tests originally proposed by Thresh. The total alkalinity of the spirit is determined as stated in the B.P. Half of this is due to ammonia (NH_3 1·23 per cent.). The addition of 330 grain measures of barium-chloride solution to 1 oz. of the spirit precipitates 12·54 of the 14·67 gr. of carbonate present, so that about 380 grain measures should precipitate the whole. A little over 26 grain measures of the chloride is equal to 1 gr. of ammonium carbonate. Having found the total alkalinity and the carbonate it is easy to calculate the amount of hydrate present, since each grain measure of oxalic-acid volumetric solution equals ammon. carb. 0·0523 gr. and NH_3 0·017 gr.

128/18. *E. C. O.* (Mentone).—**Salol Dentifrice** (like odol):—

Salol	ʒiiiss.
Saccharin	gr. xij.
Bicarbonate of soda...	gr. x.
Water	℥ss.
Oil of peppermint	ʒj.
Oil of anise	♏v.
Oil of fennel	♏v.
Oil of cloves	♏ij.
Oil of cinnamon	♏j.
Rectified spirit to	℥vj.

Dissolve the saccharin and the bicarbonate in the water, mix all the rest of the ingredients with the spirit, dissolve, add the saccharin solution, tint with cochineal, and filter.

127/44. *L. L.*—**Furniture-cream** (for wholesale trade):—

Yellow wax, in shreds	2 oz.
Oil of turpentine	1 pint

Heat gently until dissolved, and, while warm, add in five portions to the following solution (also warm)—

Castile soap	2 oz.
Water	1 pint

Heat until dissolved. Shake well after each addition.

INFORMATION WANTED.

The Editor will be obliged for replies to the following from any who can furnish the information.

112/47. Walnut oil: where obtainable?

125/5. Cheap bottles with burst-off necks for 1*d.* sauces, &c.: where obtainable or who makes?

128/62. Agents for pulv. antiseptic. comp. (Tyree).

Coming Events.

Wednesday, June 2.

Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, W.C., at 11 A.M. Council meeting for election of President, &c.

Pharmaceutical Society of Ireland, 67 Lower Mount Street, Dublin, at 3 P.M. Council meeting.

Thursday, June 3.

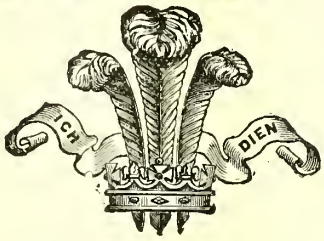
Chemical Society, Burlington House, W., at 8 P.M. Papers: (1) "On the Thermo-chemistry of Carbohydrate Hydrolysis"; (2) "On the Thermal Phenomena Attending the Change in Rotatory Power of Freshly-prepared Solutions of Certain Carbohydrates, with some Remarks on the Cause of Multirotation." By Horace T. Brown, F.R.S., and Spencer Pickering, F.R.S. (3) "Optical Inversion of Camphor"; (4) "Derivatives of Camphoric Acid; Part II.: Optically Inactive Derivatives"; (5) "Racemism and Pseudo-racemism." By F. S. Kipping, Ph.D., D.Sc., and W. T. Pope (6) "On some New Gold Salts of the Solanaceous Alkaloids." By H. A. D. Jowett, D.Sc.

Midland Chemists' Association. Annual meeting at Grand Hotel, Birmingham, 7.30 P.M.; supper at 9 P.M. Any member of the trade welcome to attend.

20 HIGHEST AWARDS.

Pears' Soap

Soap Makers by Appointment to H.R.H. The Prince of Wales.



		Per Dozen.
6d.	SIZE, unscented - - -	4s.
1s.	„ all shapes, Washing or Shaving	8s.
1s.6d.	„ Ditto ditto	12s.
2s.6d.	„ (The Washing Tablets are perfumed with Otto of Roses)	20s.
TRANSPARENT GLYCERINE	2s. per Box of 3 Tablets	16s. Per dozen Boxes.

WHOLESALE PRICES.

DISCOUNT of 20 per Cent.

On all ORDERS of NOT LESS than £5.

(GROSS TRADE-PRICE VALUE.)

If accompanied by Remittance,

[Lesser Quantities 15 per Cent. Discount only.]

IMPORTANT STATEMENT.

No Dealer in the Kingdom, "Wholesale or Retail," for any quantity whatever obtains more than the above 20 PER CENT. Discount.

(Signed), A & F Pears, Ltd.

71-75, NEW OXFORD STREET, LONDON, W.C.

The following is extracted from a "Chemist and Druggist" leading article which appeared May 23rd, 1896, entitled:—

"ON IMITATING A SPECIALITY."

"The way of the imitator is hard; he can never be sure when he gets there. Chlorodyne was invented by Dr. Collis Browne in 1848, and after an eight years' trial of it in India Dr. Browne came home in 1856, and by Mr. J. T. Davenport's assistance the compound was soon familiar to the medical profession and the public in England, and ere long it became known the world over. Straightway imitations of it commenced.

* * * * * * * * * *

But Mr. Davenport's policy from the first has been to keep silence amidst the multitude of guesses made respecting the composition of this speciality, and that this was the best policy will be evident to anyone who glances at the table of nineteen formulæ which we subjoin.

* * * * * * * * * *

It is but fair to add on behalf of some of the formulators that they have been careful to say that their products are not attempts at imitation, but something like it, or a substitute, and that it is still the rule in British pharmacy to give Dr Collis Browne's article when 'Chlorodyne' is ordered in prescriptions—a very common-sense rule in view of diversity of opinion amongst authorities."

Dr. J. COLLIS BROWNE'S

CHLORODYNE.

This preparation does not contain any poison which is included in Part I, Schedule A, of the Poisons Act; therefore the signature of the purchaser is NOT required.

Chemists who study their own reputations should never be thoughtless enough to sell an imitation Chlorodyne. Any first-class, old-established Chemist will tell you that Dr. Browne's preparation is the only genuine Chlorodyne.

Sole Manufacturer—**J. T. DAVENPORT,** 33 Great Russell Street, London, W.C.

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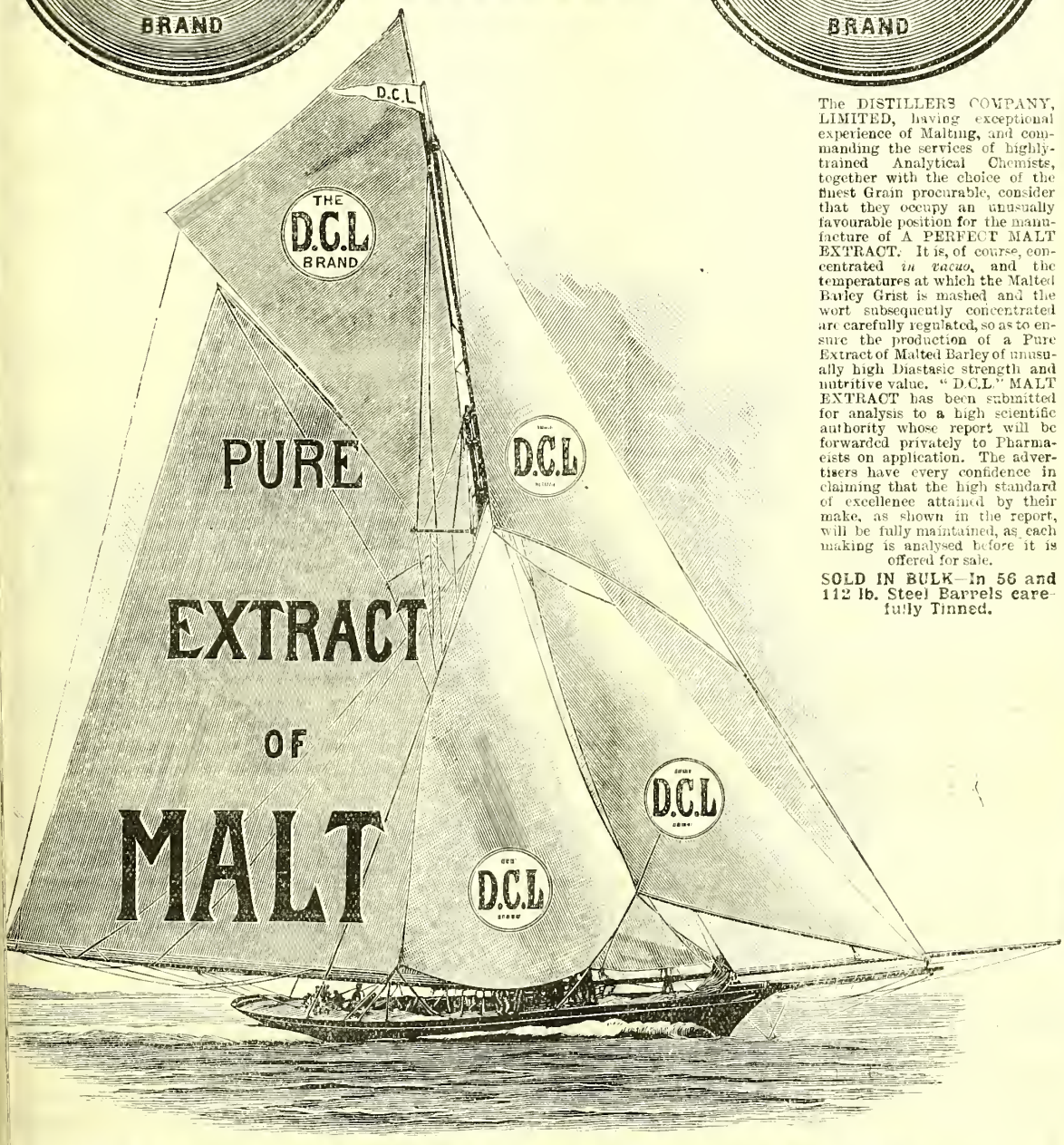
A PERFECT MALT EXTRACT

"THE D.C.L." BRAND



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SULPHATE OF QUININE, and all other CINCHONA PREPARATIONS.

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TRIONAL. Absolutely safe and efficacious Hypnotic. Dose: 15 to 20 grains.
SOMATOSE. An important nutrient and invigorant, especially for Convalescents, Invalids, Phthisis, Chlorosis Carcinoma ventriculi Rachitis.
IODOTHYRIN. The active principle of the Thyroid Gland.
SALOPHEN. A Specific for Headache, Influenza, Acute Muscular Rheumatism.
TANNIGEN. Acting promptly in Chronic and Acute Enteritis, especially for Children.
LYCETOL (Tartrate of Piperazine). Antilithic, Uric Solvent.
SYCOSE. The purest Artificial Sugar, free from para acid.
EUROPHEN. A perfect substitute for Iodoform, odourless, and non-toxic. *Special indications:* Ulcus Molle, Papul. Madid., &c.
ARISTOL. An excellent cicatrising agent. *Special indications:* Burns, Ulcus Cruris, Parasitical Eczema, Ozæna,

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CHEMICAL FOOD AND HYPOPHOSPHOROUS ACID,

Hydrogen Peroxide and Pure Acids, Bismuth, Mercurial and Iron Salts, Granular and Scale Preparations, Ethers, Essences, Spirits (in Bond). [3] [6]

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Tinctures, Ethers, Liniments, and Spirituous Extracts, &c., prepared with purest Spirit, and from best quality of raw Drugs, in accordance with requirements of British and other Pharmacopœias.

IODOFORM (absolute)	**SODIUM IODIDE**	**COCOA BUTTER**	**COD LIVER OIL**
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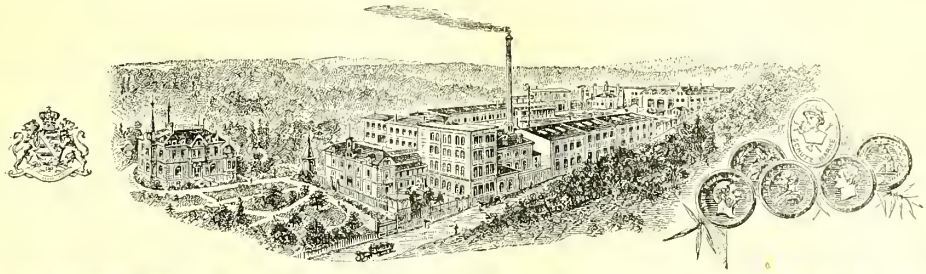

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CHEMICAL WORKS at HELFENBERG, near DRESDEN.

PRICE LIST.

Dieterich's Ferro-mangan Preparations—

Liquor ferro-mangani saccharati (Dieterich)	8-oz. bottle (retail, 2/3); per doz., 20/-.
Liquor ferro-mangani peptonati (Dieterich)	16-oz. bottle (retail, 4/-); per doz., 34/6.
Liquor ferro-mangani peptonati cum iodo (Dieterich)	Can be had unstamped for dispensing.

The ferro-mangan saccharate and ferro-mangan peptonate are unrivalled in their efficacy in all cases of anæmia and chlorosis, and are of very pleasant taste. They do not affect the teeth, and are never refused by patients even if taken for a long time.

The ferro-mangan peptonate with iodine was found to be an excellent substitute for cod-liver oil, especially in summer time, when the use of cod-liver oil is generally discontinued.

Dieterich's Umbilical Rubber Bandage—

Diameter, 70 mm. (retail, 7½*d.*); per doz., 3/10; per gross, 43/6.
Diameter, 90 mm. (retail, 10*d.*); per doz., 5/6; per gross, 63/-.

This umbilical bandage is a very saleable article, and of proved utility; as the price is trifling compared with the bandages now on the market, a trial surely will pay.

Dieterich's Cod-liver Oil Compounds—

Cod-liver oil with: bromine and sulphur, iron and bromine, iron and iodine, iron-manganese and quinine, iron-manganese and bromine, iron-manganese and iodine, iodine and sulphur, iodine and tannic acid, quinine	Retail, 2/-. Per doz., 16/6.
Cod-liver oil with: iron, iron-manganese, iron-manganese and phosphorus, phosphorus	Retail, 1/9. Per doz., 15/-.

Dieterich's cod-liver oil compounds are the best preparations as to taste and efficacy known to the profession.

Dieterich's Tapeworm Cure—

For adults .. .. Retail, 2/6; per doz., 18/6.
For children .. .. Retail, 2/-; per doz., 13/-.

Its unrivalled efficacy in expelling tapeworms is due to the employment of extract of male fern of superior quality in combination with castor oil. Given in that manner a relatively small quantity of the extract is sufficient, and all disagreeable after-effects caused by large doses of the extract are avoided.

Dieterich's Extract of Malted Acorns—

Retail, 1/9; per doz., 12/-.

Was found very useful in rickets of children, and for persons suffering from malnutrition.

Dieterich's Court-plaster—

Spread on silk; width, about 20 inches:

White, flesh-coloured or black, flesh-coloured arnicated or flesh-coloured salicylated ..	Rolls of 1 yard, 4/-; 5 yards, 19/-.

In attractive envelopes containing one leaf of plaster:
Flesh-coloured, white or black, size 35 by 60 mm. (1*d.* retail), 2/10 per 100; 12/9 per 500.
Ditto, size 60 by 70 mm. (2*d.* retail), 5/- per 100; 24/- per 500.
In stylish fancy pocket-cases, containing one leaf of plaster:
Flesh-coloured, white or black, size 35 by 60 mm. (1*d.* retail), 3/- per 100; 14/- per 500.
Ditto, size 60 by 70 mm. (2*d.* retail), 5/6 per 100; 25/6 per 500.
Customers' name and address will be printed on every envelope or pocket-case at a charge of 1/- per hundred. On buying 500 at the time, of one size, this will be done gratis.

Please compare Prices.

Dieterich's Mustard-plaster—

	Leaves 50	100	500
Cardboard boxes containing:			
100 leaves each	—	2/3	9/9
50 leaves each	1/5	—	10/6
Lithographed tin boxes containing:			
100 leaves each	—	2/10	12/3
10 leaves each	2/3	—	19/9

Comparing analysis proved that Dieterich's mustard-plaster is the strongest on the market, as no other forms so much mustard-oil when dipped in water as Dieterich's.

Dieterich's Glue-bandages (Colligamen)—

	Per 1 doz. rolls of 1	2	5 yds.
Glue-bandage, with acetate of lead 5 %, or acetate of alum, 5 %; boric acid 3 %, or Hebra ointment 10 %; sublimate 0·1 %, or salicylic acid 3 %; sulphur 10 %, or oxide of zinc 25 %; zinc and salicylic acid 25 %: 5 %, or plain	3/3	6/2	15/5
Glue-bandage, with ichthyol 5 %, or iodoform 5 %; loretin 5 %, or zinc and ichthyol 25 %: 4 % ..	5/-	9/5	23/5
Glue-bandage, with iodide of potassium	4/-	7/9	19/-
Glue-bandage, with mercury 20 %, mercury and soap plaster (20 % Hg.)	6/5	12/3	30/9

Dieterich's Soap Glue Bandages—

Soap glue bandage, with carbolic acid 5 %, or plain	2/7	4/9	11/10
Soap glue bandage, with ichthyol 5 %, or iodide of potash 2 %	3/3	6/2	15/5
Soap glue bandage, with loretin	5/-	9/5	23/5
Soap glue bandage, with sulphur 10 %, or tar 10 %; sulphur and tar 5 % of each	2/7	4/9	11/10

Samples and testimonials may be had free of charge on application to the Sole Agent for the United Kingdom—

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TO THE MEDICAL PROFESSION AND CHEMISTS.

Owing to misapprehensions as to the amount of morphine used in the preparation of

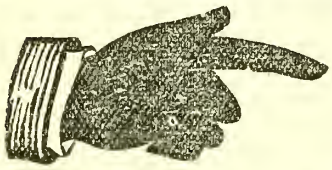
Mrs. WINSLOW'S SOOTHING SYRUP,

we wish to state that the amount is one-eighth (1/8) of one grain to a fluid ounce. As there are eight teaspoonfuls to an ounce, the amount of morphine in a teaspoonful, our maximum dose, is one sixty-fourth (1/64) of a grain.

It will be seen that this is very much less than the quantity used in other preparations authorised by the Pharmacopœia.

The Anglo-American Drug Company (Lim.),
W. RENAUD, Managing Director.

33 Farringdon Road, London.



A POINT

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5, 10, and 15 % CARBOLIC Antiseptic and Deodorising Powder.
Bags and Casks free.

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SOLUBLE
SANITARY FLUID
In Casks, and in 2, 1, and ½ gallon Tins.

CHESHIRE BIRD LIME.

In 1d., 2d., 3d., and 6d. Tins. Also in 1, 2, 3, and 7 lb. Tins & Casks, for large consumers and the trade.

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BIRD LIMES
FOR
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Transparent Cement for Broken Articles.

CUE CEMENT.
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Inorganic and almost Hydraulic.

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FOR STONE, PORCELAIN, POTTERY, & ALL VITREOUS SUBSTANCES.
Requires no preparation.
Easy and clean in application.

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EXTRACT. CASCARÆ LIQUID.

MADE FROM REALLY OLD BARK.

Being large buyers of bark direct from America, we can guarantee that this Extract is prepared from two years old bark.

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Manufacturers of Granular Effervescent Preparations. We shall be glad to give specially favourable quotations, and send samples of our superior Nos. 1, 2, and 3 qualities of CITRATE OF MAGNESIA.

Importers of Cod-liver, Castor, and Olive Oils; Extra Super Essence of Lemon and Bergamot, Otto de Rose, and all Essential Oils; Valentia Saffron; Vanillas; Fruit Essences; Carmine, Aniline Dyes; Bees' Wax, &c., &c.

MANUFACTURERS of Very Superior Flexible Gelatine Capsules of Balsam Copaiba, Cascara Sagrada, Castor Oil, Cod-liver Oil, Santal Oil, and **Blaud's Pill Capsules**, equal to 1, 2, and 3 pills. Samples and Lowest Quotations per 1,000, or in Boxes for Retail, will be ent on application from either the Wholesale or Retail Trade.

DUNCAN, FLOCKHART & CO., WHOLESALE AND EXPORT DRUGGISTS, EDINBURGH & LONDON.

CHLOROFORM

Chloroform (DUNCAN'S S.G. 1490) Non-decomposable. PURE & METHYLATED.

This contains about 1 per cent. Absolute Alcohol, but in other respects is identical with our ordinary make (S.G. 1497), which contains about ¼ per cent. While this minute proportion of Alcohol in no way affects its anæsthetic power, it renders the Chloroform **PRACTICALLY NON-DECOMPOSABLE.**

N.B.—We are now bringing this Chloroform prominently before the Medical Profession, but we continue to send out Sp. Gr. 1497 where Sp. Gr. 1490 is not specially ordered. We recommend the latter for export, particularly to warm climates.

LONDON BRANCH—38 & 39 SNOW HILL. Telephone No. 65282, Holborn.

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MANUFACTURED BY THE DISCOVERERS—

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"The uniformity in strength of Aloin, the smallness of its dose and the certainty of its action, should commend it to the favourable consideration of all medical practitioners."—*Vide* Dr. Wm. Craig's investigations respecting our Aloin, published in the *Edinburgh Medical Journal* for May, 1875.

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ACIDS, ÆTHERS, AND OTHER CHEMICALS CAREFULLY TESTED AND PACKED FOR EXPORT.

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SELECTED DRUGS, PURE CHEMICALS, & PHARMACEUTICAL PREPARATIONS.

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COD LIVER OIL

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Guaranteed Pure. Very Finest **1897** *Lofoden Non-freezing.*

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"HENRIKSEN & CO." are actual Manufacturers, & were awarded Gold Medals at the Tromsö Exhibitions in **1870** and **1894**.
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EUTHYMOL POWDER,

A combination of Neutral Absorbent Talcum, the essential constituents of the Antiseptic Euthymol, and a delicate perfume. It is free from starch, flour, and sugar, which ferment when moistened by the secretions, and contains no Bismuth or other mineral salts which are undesirable for daily application. When lightly dusted over the body after bathing it imparts a delightful sensation of cleanliness and freshness. In the Nursery, particularly, Euthymol Powder will meet every reasonable expectation.

Price 9/6 per dozen boxes, containing the Powder in dainty bags.

AMMONIA CUBES.

A Seasonable Speciality, whereby Chemists can provide lasting **SMELLING SALTS** without waste. No liquid required The Cubes may be scented to any desired odour with a few drops of Concentrated Perfume.

IN TWO SIZES.—Large, at 2/- per lb.; 5½ lbs., 10/-. Small, at 2/6 per lb.; 5½ lbs., 12/6.

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SOLUBLE ESSENCES.

FRUIT ESSENCES.

LIQUID ANNATTO.

HERB EXTRACT.

"TORPEDO" HORSE BALLS, &c.,

And all other kinds of Pharmaceutical Preparations.

READ THE FOLLOWING LETTERS

They Speak for Themselves.

———, Newcastle, March 8, 1897.

GENTLEMEN,—I notice your Ad. in the *C. & D.* for Saturday last. Please send me a copy of your Price-list, &c. With reference to your offer regarding the saving you can give the trade, if your list is satisfactory I will give you an opportunity of verifying the same.

Yours truly, ———

———, Newcastle, March 11, 1897.

GENTLEMEN,—Your Price-list and Samples to hand. I must honestly confess your prices are really an eye-opener; if the goods are as satisfactory in quality as in price, I shall be pleased to do a good trade with you. Please send on the enclosed trial order at your earliest convenience, and oblige,

Yours truly, ———

———, Newcastle, March 27, 1897.

GENTLEMEN,—I reply to yours. I have pleasure in stating that I am perfectly satisfied with the goods I have received; the quality is quite equal to what I have previously had (and I have always been particular in buying the best of everything), and you are quite within bounds in stating that your prices are from 25% to 50% below the usual charges. If you continue to give the same satisfaction, I shall give you my entire trade in the lines you carry, which, though perhaps not a very big item with the retail chemist, your offer to pay carriage on small lots makes it worth any chemist's while to remember you for these goods. Nowadays, when there is so much competition to meet, one must watch the buying end closely, as you state in your Ad.

I am, Gentlemen, yours truly, ———

This is the Grist of over 100 Letters we have lately received.

Send your Name and Address, and we will put you in a position to say the same.

BROOK, PARKER & CO., WHOLESALE DRUGGISTS
BRADFORD.

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For THIRTY YEARS has maintained its world-wide reputation as

THE ONLY SAFE RELIABLE PHOSPHORIC CURE for Brain Wreckage, Paralysis, Sleeplessness, Harassing Dreams, and all Functional and Diseased Conditions of the System dependent upon the Deficiency of the Vital Forces.

DR. LALOR'S PHOSPHODYNE

HAS THE LARGEST SALE OF ANY PHOSPHORIC MEDICI IN THE WORLD.

The only Medicine of the kind or name awarded a Certificate of Merit at the Calcutta Exhibition, 1883-4.

TRADE MARK—"PHOSPHODYNE."

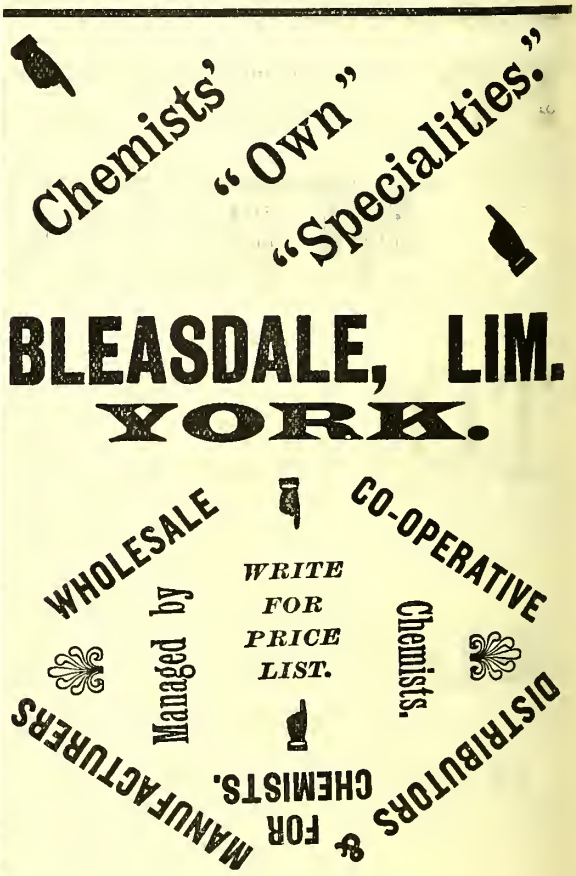
THOUSANDS of unimpeachable Testimonials from all parts of the World. No other Phosphoric Preparation has received such exalted praise and distinguished recognition.

To be obtained in Bottles at 4*s.* 6*d.* from all Chemists, &c., &c.

MANUFACTURED ONLY AT

DR. LALOR'S PHOSPHODYNE LABORATORY, HAMPSTEAD, LONDON, N.W.

CHEMISTS enclosing Trade Card will be supplied free with a neat Showcard and Bills for Counter.

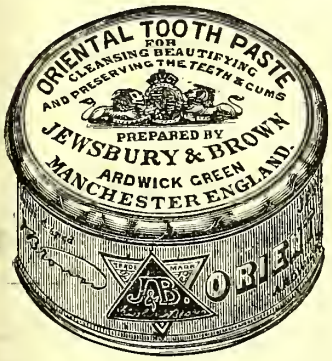


"THE LEADING HOUSE"

For "Private Brands" of milled and superfatted Soaps, toilet as well as medicinal. We put up for the trade as a specialty all kinds of Dentifrices, Saponaceous Powder, Paste in Collapsible Tubes, &c., &c.

81 & 85 DANBURY STREET, ISLINGTON, LONDON, N.

H. BRONNLEY & CO., LIM., LARGEST TOOTH SOAP COMPRESSERS IN THE WORLD.



JEWSBURY & BROWN'S
Oriental Tooth Paste.

Established over 70 years. Warranted to retain its properties and keep good in any climate. The original and only genuine is manufactured solely by

JEWSBURY & BROWN,
ARDWICK GREEN, MANCHESTER.

Particular attention should be paid to the Trade Mark, printed in red and green, a facsimile of which is annexed, as numerous imitations are offered.

MAY BE OBTAINED FROM THE WHOLESALE HOUSES.

Bills and Showcards forwarded on receipt of Address Cards and directions for enclosure.

BOWDLEAR'S FLOOR WAX

Testimonials from the most prominent teachers in the United States.

Testimonials from the most prominent teachers in the United States.

Pulverised. For Dancing Floors. Is not white. Will not ball on the feet. Will not soil clothes. All ready. Anybody can apply it.

The floor must be clean and free from oil. Sprinkle, and the dancers will do the rest. Put up in pound packages, in cases of 36 pounds.

One pound is sufficient for a floor space of 10,000 square feet, and if not wasted will be found to go four times as far as anything else on the market. No dust is another feature in its favour.

SAMPLES SENT ON REQUEST.

W. H. BOWDLEAR & CO., 149 Pearl St., Boston, Mass., U.S.A.

SALVO PETROLIA

A SUPERIOR VASELINE.

May be procured through all Chemists and Druggists, and is Manufactured solely by the Proprietors,

THE DEE OIL COMPANY,
LIMITED,
Works: SALTNEY, CHESTER.

SALVO PETROLIA

Sanctioned by the Board of Trade Marine Department, and included in their instructions issued May, 1894, to superintendents of Mercantile Marine Offices.

Manufactured in five distinct qualities—WHITE, LEMON, YELLOW, GOLDEN, and RED (Veterinary).

Packed in tins 1, 2, 4, 5, 7, 10, 14, and 28 lbs., 56 and 112 lb. Drums, and 3 cwt. Barrels.

OLEUM DEELINÆ
(REGISTERED).

GENERALLY ADOPTED BY THE MEDICAL PROFESSION FOR

Ophthalmia, Scurvy, Ringworm, Eczema, and all Skin Diseases.

Packed in Cases—One dozen 1s. Bottles; One dozen 2s. Bottles. Pint Bottles 4s. 6d. each, for Hospitals and Dispensing Chemists Testimonials may be had upon application.

PETROLEUM ✦ EMULSION.

Containing 33⅓ per cent. of Pure Petroleum, and practically Inseparable.

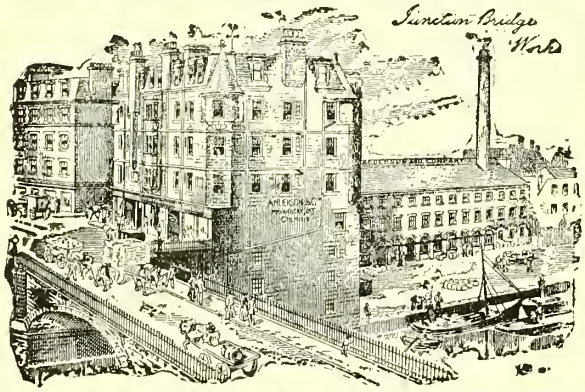
[The Petroleum used is guaranteed to be of pure Medicinal quality, and not merely one of the many White "Commercial" Petroleum Oils now on the market, and of very uncertain character.]

BULK PRICE - - 1/4 per lb.

Sample Free on application.

WYLEYS, LIMITED,

Manufacturing Chemists, COVENTRY.



EXTRACT OF MALT

HOME.] AND [EXPORT.

ITS COMBINATIONS.

GUARANTEED ABSOLUTELY PURE AND OF HIGH DIASTASIC VALUE.

TRIAL ORDER SOLICITED.

ANDERSON & CO., Wholesale Manufacturing Chemists, EDINBURGH.

Telephone No. 4589. Telegraphic Address—"TERPINOL LONDON."

TERMS—NETT CASH IN LONDON WITH ORDER.

EXTRACTUM HYOSCYAMI,

BIEN., Nov. 1896, P.B.,

Per lb. 6/-; 14 lbs. 5/6; 28 lbs. 5/-

SPECIAL QUOTATIONS FOR CWT. LOTS.

MACKEY, MACKEY & CO., 175 GRANGE ROAD, BERMONDSEY, S.E.

Contractors to Her Majesty's Government, Wholesale and Export Druggists and Manufacturing Chemists.

RAIMES & CO., YORK

WHOLESALE DRUGGISTS

AND

Manufacturing Chemists.

Prices Current

OF

DRUGS & CHEMICALS.

With Latest Market Report, issued Monthly.

Also **Special** Net Cash Price List

OF

PATENT MEDICINES AND PROPRIETARY ARTICLES.

Copies of the above sent on receipt of Trade Card.

BARTLETT HOOPER & CO.

Wish to call the especial attention of the trade to the following lines.

CAPSULES SPECIALLY PREPARED FOR EXPORT TRADE.

HOOPER'S SANDAL WOOD OIL CAPSULES. These Capsules are guaranteed to contain absolutely the finest English-drawn Sandal Wood Oil possible to procure, and a guarantee to this effect accompanies every invoice. They are well made, and put up in attractive circular metal boxes, 24 Capsules in each box. Price 13/- doz. boxes.

THE UNIVERSAL CAPSULE. A very saleable line. Put up in oval card boxes, 36 Capsules in each box, and with a most attractive label (our registered design). Price 9/- doz. boxes.

HOOPER'S COPAIBA CAPSULES. These Capsules are filled with the finest Maranham Copaiba, and are put up in oval card boxes, splendidly labelled, 36 Capsules in each box. Price 6/- doz.

Terms—One month or journey 5 per cent. *Carriage paid on orders of 10/- and upwards.*

We also supply our Capsules in bulk at per 1,000, or in boxes, bearing our customers' name and address.

Our Capsules are undoubtedly the Best on the Market.

A TRIAL ORDER RESPECTFULLY SOLICITED.

BARTLETT HOOPER & CO.

Manufacturers of Capsules, Cachous, Compressed Pellets, Fumigating Pastilles, Glycerine Suppositories, &c.

PRICE LIST FREE ON APPLICATION.

134 UPPER THAMES STREET, LONDON, E.C.

55

DR. SCOTT'S BILIOUS & LIVER PILLS.

The Proprietors of the above well-known Pills have decided in the interest of the Retail trade to stop all further cutting and allow a reasonable profit, and in so doing hope to secure the goodwill and co-operation of all respectable Chemists and Druggists.

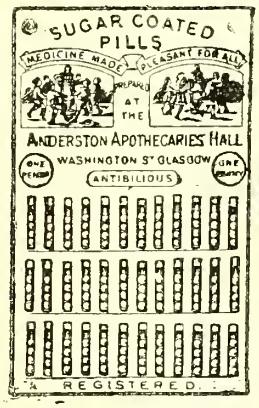
A GOOD PILL and GOOD PROFIT.

1/1½ size	Wholesale Price,	10/-	per dozen.
,, ,,	Minimum Retail Price,	1/-	,, box.
2/9 ,,	Wholesale Price,	24/-	,, dozen.
,, ,,	Minimum Retail Price,	2/6	,, box.

The proprietors will be obliged if Chemists will report all cases of Cutting to

THE SECRETARY, PROPRIETARY ARTICLES TRADE ASSOCIATION,
2 and 3 STONECUTTER STREET, E.C.,
who will see that the Cutting is stopped or supplies withheld.

Messrs. LAMBERT & CO. will be pleased to supply Handbills, with Name and Address, CARRIAGE PAID, on receipt of Business Card direct to 173 Seymour Place, London, W.



SUGAR-COATED PILLS

COMPOSED OF THE PUREST DRUGS

At Lowest Prices consistent with quality.

SOLUBLE, RELIABLE IN ACTION, PERMANENT.

Speciality—Private Recipes.

Send for Samples, Quotations, and Price List to

THE SCOTTISH SUGAR-COATED PILL COMPANY,
THE ANDERSTON APOTHECARIES' HALL, WASHINGTON ST., GLASGOW.

They stand alone in their might.

The "GIANT" Remedy,

BOX'S PILLS

Re-christened by the Americans

"THE GREAT ENGLISH REMEDY,"

Grapple with and triumph over disease with perfect ease.

Price 1/1½, 2/9, 4/6, 11/-, and £1 1s. per box.

Prepared by

W. H. BOX, 161 KING ST., PLYMOUTH.

56

CAUTION.

SUBSTITUTES FOR DR. WILLIAMS'

PINK PILLS FOR PALE PEOPLE

INJUNCTION of the HIGH COURT OF CHANCERY

(Mr. JUSTICE STIRLING, March 26th, 1897).

THE DR. WILLIAMS' MEDICINE COMPANY,

(*PLAINTIFFS*),

HENRY CLINTON & CO. (trading as Clinton's Drug Stores),

(*DEFENDANTS*).

Upon motion for an injunction this day made unto this Court by Council for the Plaintiffs, and upon hearing Counsel for the Defendants, and Plaintiffs and Defendants by their respective Counsel consenting to treat the hearing of the said Motion as a Motion for Judgment. This Court doth order and adjudge that the Defendants, their servants and agents, be PERPETUALLY RESTRAINED from passing or attempting to pass off Bottles, Boxes, or Packages of Pills not of the Manufacture of the Plaintiffs, by the use of the term "Pink Pills for Pale People," or in any other way. And it is ordered that the Defendants do forthwith deliver up to the Plaintiffs all labels, bottles, boxes, packages, circulars, and other trade documents, in the possession or power of the Defendants, containing the words "Pink Pills for Pale People," and not referring to or used or intended to be used in conjunction with the Plaintiffs' Pills. And it is ordered that the Defendants Henry Clinton & Co. (trading as Clinton's Drug Stores) do pay to the Plaintiffs, The Dr. Williams' Medicine Company, their costs, up to and including this Judgment, but exclusive of the costs of the account hereinafter directed. And it is ordered that an account be taken of the profits made by the Defendants in manufacturing or selling such bottles, boxes, and packages of pills; and the costs of taking the said account are reserved.

TO THE TRADE.

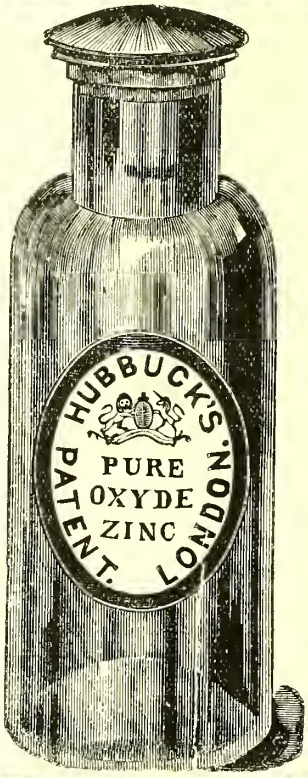
All information as to infringements will be highly esteemed and will be treated confidentially if sent to the Dr. Williams' Medicine Company, of 46 Holborn Viaduct, London, E.C., or to their Solicitor, Mr. C. Urquhart Fisher, 19 and 20 Holborn Viaduct, London, E.C. It is also notified to the trade that steps are being taken to ascertain in what cases imitations of and substitutes for Dr. Williams' Pink Pills are being offered, and that proceedings will be taken in all instances where such substitution is detected.

HUBBUCK'S PURE OXIDE OF ZINC.

Sold by the following Wholesale Druggists, in Boxes of 7 lbs. and 14 lbs., stamped by the Manufacturers: also in 1-lb. Boxes and 1-lb. Glass Bottles:—

Allen & Hanburys.
Bass Brothers & Co.
Barron, Harveys & Co.
Battley & Watts.
Bleasdale, Limited.
Burgoyne, Burbidges & Co.
Clay, Dod & Co.
Corbyn, Stacey & Co.
Davy, Hill & Son, Yates & Hicks.
Duncan, Flockhart & Co.
Evans, Gadd & Co.
Evans, Lescher & Webb.
Ferris & Co.
Gale & Co.
Glasgow Apothecaries Co.
Harker, Stagg & Morgan.
Hatrick, W. R., & Co.
Hearon, Squire & Francis.
Herrings & Co.
Hirst, Brooke & Hirst.
Hodgkinson, Prestons & King.
Hodgkinsons, Treacher & Clarke.
Horner & Sons.
Huskisson, H. O., & Co.
Ismay, John, & Sons.
Johnson & Sons (Lim.)
Lofthouse & Saltmer.
Mackey, Mackey & Co.
Oldfield, Pattinson & Co.
Pinkerton, Gibson & Co.
Raimes, Clark & Co.
Raimes & Co.
Southall Bros. & Barclay.
Sumner, R., & Co.
Taylor, James.
Thacker & Hoffe (Lim.)
Thompson, H. A.
Thompson, John (Lim.)
Tyrer, Thos. & Co.
Walker, Troke & Co.
Willows, Francis & Butler.
Woolley, Jas., Sons & Co. (Lim.)
Wright, Layman & Umney.
Wyleys (Lim.).

Carter, Carter & Kilham, Boston.
Finlay & Brunswig, New Orleans.
Langley & Michaels, San Francisco.
Lazell, Dalley & Co., New York.
Lehn & Fink, New York.
McKesson & Robbins, New York.
Muth Brothers & Co., Baltimore.
Roller & Shoemaker, Philadelphia.
Schieffelin, W. H., & Co., New York.
Shoemaker, R., & Co., Philadelphia.
Weeks & Potter, Boston.



HUBBUCK'S PURE OXIDE

Is made by Sublimation, and is Warranted to contain upwards of

99 PER CENT.

of Pure Oxide; in fact, the impurities are not traceable.

THOS. HUBBUCK & SON, Ld.

(*Established* 1765),

24 LIME STREET

LONDON, E.C.

Manufacturers of

White Lead, White Zinc, Paints, Oils, Colours, Varnishes, &c.

Australian Office—
34 QUEEN STREET MELBOURNE.

The Manufacturers supply their Pure Oxide Wholesale only, in quantities of not less than 2 cwt.

TELEGRAMS "RELISH" LEEDS.

NAT. TELEPHONE No. 954

GOODALL BACKHOUSE AND COMPANY

7 to 15 WHITEHORSE ST.
SOVEREIGN ST. & VICTORIA ROAD

LEEDS.

MANUFACTURING CHEMISTS — WHOLESALE DRUGGISTS,

DRUG & SPICE GRINDERS,

Patent Medicine Dealers, Druggists' Sundriesmen,

TIN CANISTER MAKERS.

PROPRIETORS OF

YORKSHIRE RELISH & GOODALL'S HOUSEHOLD SPECIALITIES.

PRICE LISTS OF DRUGS, PATENT MEDICINES, AND PACKED GOODS ON APPLICATION.

Net Cash Prices Quoted for Wholesale Quantities. Inquiries Solicited.

As Flies to the honey-jar,
So the people are :—
To DAISY.

Copies of two letters received just before sending copy last Tuesday, May 25th, 1897. Quite unasked for. Genuinely spontaneous.

John Evans, M.P.S.,
Chemist, Dowlais.

Daisy, Limited,

Sirs,—Your Daisy window-display has been *quite the rage*. Thousands have *flocked* round the window from day to day. It has certainly very much increased the sale. Can you allow the model (smart man) to remain here another month? I think it would be of great benefit to yourselves, and also to me.

Yours faithfully,

p.p. JOHN EVANS.
R. S. E.

See next three pages for a Jubilee Suggestion.

DAISY, Ltd., Faraday Works, LEEDS.

Ever see a "Swarm" of Bees?

?

Swarm the "Humans" round your Window!

!

Sansom Bros.,
Pharmaceutical Chemists,
Barrow.

Daisy, Limited.

Sirs,—The Daisy "Smart Man," &c., arrived all safe on Friday night, and we put it in the window on Saturday morning. There were

Crowds

round the window **all the day.**

Yours sincerely,
SANSOM BROS

Read the following two pages for a Jubilee suggestion.

DAISY, Ltd., Faraday Works, Leeds.

A leading Pharm.Chemist In a leading thoroughfare In a leading city,

Talking to a Daisy representative, said (we doubly regret being specially desired not to mention the name):

"The Daisy Acrobat produced such a commotion that two policemen were here nightly to keep order and control the traffic. One at first expostulated with me, but I refused to take out Daisy. I had then his superior, and he admitted it would have been a pity to have lost such a valuable advertisement. Thousands stopped to watch her gay antics."

A Jubilee suggestion on next page.

DAISY, LIMITED,

FARADAY WORKS, LEEDS.

OUT OF THE DIAMOND JUBILEE

REAP A GOLDEN

HARVEST ! ! !

You may never again have the chance!
Our prescription for the prescribers!

Thousands of people will be out during the Jubilee holidays. Make them crowd round your window. Rivet them to your shop. Use it, and make it a huge advertisement for your business. We are willing to help you. For the occasion we have ordered and partly received many more of our attractive and unique displays, precisely the same as spoken of over-leaf. We will loan you a "Smart Man," &c., *free*, upon receipt of the moderate order of 12 dozen 1*s*. 1½*d*. or equivalent, or a "Daisy Acrobat" with a 2-gross order. Carriage paid both ways, and one month's clear use.

Special Terms quoted, and Cards, Coins, Art Chromos, Counter Bills, Window Curtain, Wire Stands, Flowers, Grasses, Palm Leaves, &c., &c., &c.

WRITE FOR FULL PARTICULARS.

We have engaged a double staff to meet the demand.

DAISY, Ltd., Faraday Works, Leeds.

Copyright.
NACHDRUCKEN VERBOTEN.

See 3 previous pages.

48 Highest Awards over all Competitors throughout the World.

SEABURY & JOHNSON,

ORIGINAL MANUFACTURERS OF

PHARMACOPŒIAL AND SURGICAL PLASTERS

IN RUBBER COMBINATION,

ANTISEPTIC DRESSINGS and ABSORBENTS, &c.

NEW YORK and LONDON.

MANUFACTURERS OF

PLASTERS

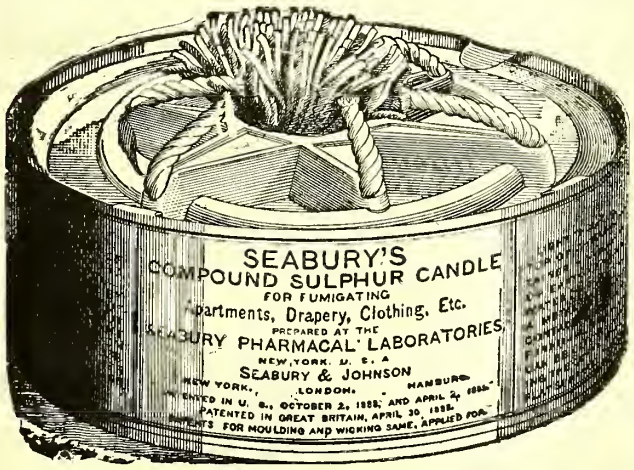
OF EVERY DESCRIPTION.

Adhesive, Breast, Bunion, Corn, Court, Dental, Dermatological, Homœopathic, Isinglass, Kid, Medicinal, Mustard, Pharmacopœial and Surgical, &c. *In Rubber Combination, plain or porous, and spread on any material required.*

Manufacturers of ABSORBENT BANDAGES, COTTONS, GAUZES, LINT, WOOLS of every description.

Antiseptic, Plain and Medicated, Benzoated, Borated, Carbolated, Cocaine, Corrosive Sublimate, Eucalyptol, Hydronaphthol, Iodized, Iodoform, Morphia, Naphthaline, Salicylated, Styptic, Tannin, Thymol, &c.

DISINFECTION BY FUMIGATION.



Large Size, retailing at 1s.

Seabury's Sulphur Candles

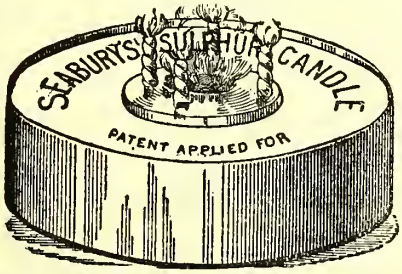
Will destroy disease germs after infectious diseases, in vacated apartments or hospital wards, also in bedding, clothing, and drapery.

Will destroy noxious vapours from sewers, cesspools, &c.

Will destroy insect pests and other vermin.

These candles afford a safe means of burning sulphur indoors, on board ship, &c., and are used and approved by Boards of Health and Sanitary Authorities in various parts of Great Britain and America, and were used to fumigate the Royal Courts of Justice, the Committee Rooms of the House of Commons, and the War Office after the Influenza epidemic

One large candle will burn for two hours, and thoroughly disinfect a room of ordinary size.



Small Size, retailing at 6d.

This popular size of the SEABURY SULPHUR CANDLE is in a permeable container which absorbs the water in which it stands, and thus, bringing the water into actual contact with the burning sulphur, the candle really becomes a

NASCENT SULPHUROUS ACID CANDLE.

Medical men are everywhere ordering SEABURY'S SULPHUR CANDLES (which burn readily and safely) as the most reliable means of disinfection extant after

Diphtheria, Scarlet Fever, Small Pox, Typhoid Fever, and other Infectious Diseases.

SEABURY & JOHNSON.

LONDON OFFICES & WAREHOUSE, 32 & 33 SNOW HILL, LONDON, E.C.

A PROFITABLE LINE!! EASILY HANDLED!! Telephone No. 72, Dalston.

HEARN'S GLASS ILLUMINATION LAMPS

(NEW REGISTERED DESIGNS)

Will be greatly in demand on the occasion of **HER MAJESTY'S DIAMOND JUBILEE.**

Grape Pattern.

MADE IN ENGLAND.

For Illuminating Private Residences, Public Buildings, Gardens, Fetes, Conservatories, Lakes, Hotel Gardens, Shop Fronts, Bazaars, Yachts, &c.

The lamps are packed in Cases of 12, 24, 36, 50, and 100, each Case containing an assortment of colours and patterns, and a corresponding number of lights.

Queen's Head Pattern.

MADE IN ENGLAND.

The Lamps are wired ready for hanging, and are made in the following colours:—Amber, Dark Blue, Dark Green, Puce, Venetian, White, Ruby-Stained, &c.

A very Handsome Show-Card is presented with opening Order.

Tulip Pattern.

For full particulars as to Prices, Terms, &c., apply to S. MAW, SON & THOMPSON, Aldersgate St.; F. NEWBERY & SONS, King Edward St.; BARCLAY & SONS (LIM.), Farringdon St.; and all the principal Wholesale Houses.

R. H. BARRETT'S PATENT CAPPED BOTTLE

The only REALLY PERFECT Bottle for Vaseline, Pomades, Dry Powders, &c.

PRICES. Tall Series:—

Fitted with STRONG METAL CAPS, CORK-LINED; in Various Colours, very attractive in appearance:

1 oz. 11/-; 1½ oz. 11/6; 2 oz. 12/-; 3 oz. 15/-; 4 oz. 16/6 per gross, &c.

Special Prices on application for Quantities.

CHEMISTS' AND PERFUMERS' BOTTLES IN GREAT VARIETY, PLAIN OR STOPPERED.

R. H. BARRETT,

FLINT GLASS BOTTLE WORKS.

THE OVAL, CAMBRIDGE HEATH, LONDON, E.

Telegraphic Address—"FOREFRONT LONDON."

DISPENSING BOTTLES.

THE NORTH LONDON GLASS BOTTLE COMPANY

(I. ISAACS & CO., Proprietors)

Beg to inform the Trade that they have made a further reduction in the price of their Bottles, as follows:—

The NEW SHAPE FLAT BOTTLES, with rounded edges, plain or graduated—

3 & 4 oz. ..	7/6 per gross.	10 & 12 oz. ..	12/- per gross.
6 ,, 8 ,, ..	8/6 ,,	16 ,, ..	16/- ,,

WHITE MOULDED PHIALS, plain or graduated Teaspoons—

½ oz.	3/6 per gross.	1½ oz.	4/6 per gross.
,, ...	3/9 ,,	2 ,, ...	5/- ,,

PLEASE NOTE.

Six gross and upwards, assorted or otherwise, are carriage paid to any address in England; smaller quantities not carriage paid.

I. ISAACS & CO., Glass Bottle Manufacturers,
106 MIDLAND ROAD, ST. PANCRAS, LONDON.
Established 50 years. *Bankers—London and Westminster Bank.*

STOKES' CASH TILL.

Reduced Price **47/6** *Latest Improvements.*

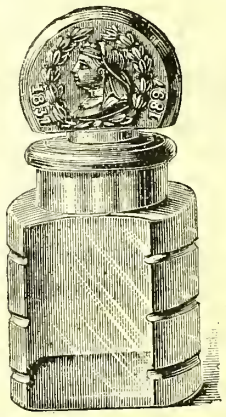
(Sent on Trial seven days, on receipt of two references.)

Particulars and Testimonials on application.

G. R. STOKES & CO., LTD.,
HANLEY, STAFFS.

The Victoria Commemoration SMELLING SALTS BOTTLE.

Assorted White, Blue, and Actinic Green.



Sample Dozen sent on receipt of P.O. for 5s. 6d.

Every bottle guaranteed to be perfectly stoppered.

H. POTHS & CO.
CREECHURCH LANE, LONDON, E.C.

H. GILBERTSON & SONS, LTD.

9 & 11 St. Andrew's Street, Holborn Circus, London,

PROPRIETORS AND MANUFACTURERS OF

GILBERTSON'S Registered Boat Feeding Bottles (Rd. No. 113,236)
GILBERTSON'S Little Rosebud Feeding Bottles
GILBERTSON'S Graduated Feeding Bottles
GILBERTSON'S Graduated "Louise" Feeding Bottles
GILBERTSON'S Tropical Feeding Bottles
GILBERTSON'S Dispensing Bottles (No. 118,583)
GILBERTSON'S Graduated Measures
GILBERTSON'S Ideal Bed Pans

ALSO

SCHWEITZER'S DANDELION COFFEE, & BROWN'S BENZINE, &c.

The BEST VALUE obtainable in

ENEMAS
INJECTION BOTTLES
CATHETERS
EYE SHADES
SYRINGES
THROAT BRUSHES
HOT WATER BOTTLES
SPONGE BAGS
AIR CUSHIONS
COMBS, &c., &c.,

We stake our reputation on the quality of our Rubber Goods, and guarantee all such for two years.

OUR "EMPIRE" ENEMA SYRINGE at *16/-* dozen plain, or *17/-* dozen polished (net invoice), is the best going. Will not get hard or sticky.

IS TO BE HAD FROM

BURGE, WARREN & RIDGLEY,

11 CLERKENWELL GREEN, LONDON, E.C.

Write for ILLUSTRATED CATALOGUE. There's something in it for every Chemist, and a great deal for most.

Removing shortly to larger premises at 91 and 92 GREAT SAFFRON HILL, E.C. Write there after June 21st.

65

THE SUSPENSORY BANDAGE

TO RECOMMEND IS

The "SYRACUSE,"

With SELF-ADJUSTING LOOP at back of Pouch.

(PATENTED IN ENGLAND.)

HAS THE

LARGEST SALE

OF ANY

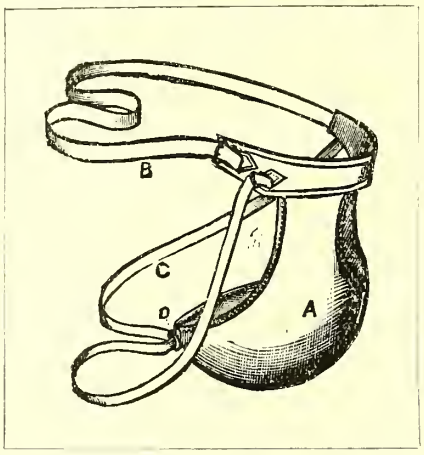
SUSPENSORY BANDAGE

IN THE STATES.

3 Sizes, Large, Medium, & Small.

Made in Seven Qualities, to suit all Markets.

Each Bandage is carded separately with Printed Guarantee.



Each Bandage bears a Guarantee to give satisfaction to Wearer, or money returned at our expense.

COTTON POUCHES.

Nos. 10	16	21
6/6	12/-	18/- per doz.

SILK POUCHES.

Nos. 26	31	34	36
24/-	30/-	48/-	72/- per doz

We call attention to the fact that our Bandages are advertised in all the leading Athletic papers, and are largely used by Athletes of all kinds. We would strongly recommend all Chemists who require a first-rate Bandage, and who wish to give satisfaction to their Customers, to hold stock, which will enable them to supply our Bandages when asked for.

May be obtained from all leading Druggists' Sundries Houses throughout the Country, or from the

WELLS MANUFACTURING CO. (H. C. Quelch), LUDGATE SQUARE, LONDON E.C.

PRICE LISTS ON APPLICATION.

SOLPORT BROS.,

66 SHAFTESBURY STREET,

NEW NORTH ROAD,

LONDON, N.

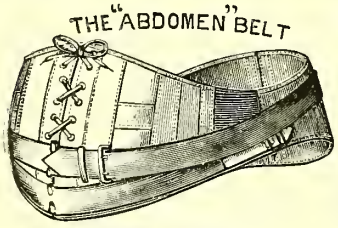
ESTABLISHED 1857.

Telegrams: "SOLPORT LONDON."

MANUFACTURERS (Wholesale & Export) OF

Corn, Bunion, & Court Plasters.
Gold Beater's Skin.
Bath and Flesh Gloves, Straps and Pads.
Loofah Bath Gloves, Straps and Pads.
Chest Protectors.
Finger Stalls.
Eye Shades.
Vaccination Shields.
Loofah Socks for Boots & Shoes.
Respirators, &c., &c.

SOLPORT'S "FURFELT" CHEST PROTECTORS.



Telephone No. Hop 4542
Telegrams—"Acme London."
ESTABLISHED 60 YEARS.

VINCENT WOOD,

Manufacturer on the Premises of

SURGICAL ELASTIC HOSIERY

TRUSSES

of every description,

Abdominal and Riding Belts,

Suspensory Bandages, Chest Expanding Braces and Surgical Appliances generally.

SPECIAL FEATURE SPECIAL ORDERS BY RETURN.

NEW SAMPLES ON VIEW AT

Victoria House, Albion Place, Blackfriars Bridge, London.

Steam Factories—Nottingham and Carlton.

66

ABSOLUTELY RELIABLE.

TRADE PRICE MODERATE.

SALE UPWARDS OF 4,000,000.

A. LAMBERT & CO.'S

SOLUBLE

QUININE TABLETS.

A soluble Quinine Pessary of proved absolute reliability. Upwards of 4,000,000 have been sold without a complaint of failure.

We have a list of Special Articles for Chemists which command a ready sale at large profits. A Copy on application post free.

A. LAMBERT & CO.

Surgical Instrument and Appliance Makers,

16 DALSTON LANE, LONDON, N.E.

95 MEDALS AWARDED.

JEYES' FLUID

THE NON-POISONOUS DISINFECTANT.

A TRUE GERMICIDE & DEODORISER,

Somewhat less refined than **CREOLIN**, the virtues of which are

RECOGNISED BY MEDICAL AUTHORITIES ALL OVER THE WORLD.

Jeyes' Fluid and its Preparations

SHOULD BE RECOMMENDED BY THE CHEMIST EVERYWHERE WHO DESIRES TO SUPPLY ONLY RELIABLE ARTICLES.

PRICE LIST

(ABBREVIATED).

Jeyes' Fluid.

Retail Prices s. d.		Trade Prices s. d.	
0 6	Sixpenny Bottles (bottles included)	4 0	per doz.
1 0	Shilling " " "	7 0	"
3 6	½-gall. Iron Drums (drums included)	2 6	each
6 0	1-gall. Drums	4 6	"
11 6	2-gall. "	8 6	"
28 6	5-gall. "	20 0	"
55 0	10-gall. "	38 6	"
Per gall.			
5 0	20 & 40 gallon Casks (casks free, not returnable)	3 6	per gall.
1 1½	UNIVERSAL PERFECT PURIFIER (in bottles)	8 6	per doz.

Sanitary Powder.

1 0	each Canisters, in boxes of 1, 2, or 3 doz.	7 0	per doz.
0 6	" " " " "	4 0	"

(Also in Casks and Bags.)

Disinfectant (Brown) Soap or Household (White) Soap.

No. 1 QUALITY.—In 1-lb. Bars, papered.

In 1-cwt. Boxes .. 29 0 per cwt.

(Also in Small Packages.)

No. 2 QUALITY.

In 1-cwt. Boxes .. 23 0 per cwt.

(Also in Small Packages.)

In 3-lb. Bars, 2s. per cwt. less.

Triple Milled Toilet Soaps.

Elegant Tablets for the Toilet, of finest quality, containing the Antiseptic Properties of "Jeyes' Fluid."

Retail Prices Per box s. d.		Trade Prices s. d.	
1 6	"Perfect Purifier," 6 Tablets	12 0	per doz.
1 6	"Coal Tar," 6 Tablets	12 0	"
2 0	"Old Brown Windsor," 12 square Tablets	18 0	"
0 6	"Special Line," 3 Tablets	4 6	"
2 6	"Toilet" (Scented), 6 Tablets	21 0	"
2 6	"Sublime Toilet" (Unscented), 6 Tablets	21 0	"
2 0	"Boudoir Tablets" (Perfumed), 3 Tablets	16 0	"
5 0	"Transparent Complexion," 12 Tablets	36 0	"
1 0	"Transparent Soap," 3 tablets	8 0	"
2 0	"Senalia," 4 Tablets	18 0	"

N.B.—The first three varieties supplied also in 7-lb. deal Boxes. Customers' Names stamped on Tablets if sufficient quantity ordered.

Toilet Preparations.

Each			
1 0	Shaving Stick, in Cardboard Box	8 0	per doz.
6 0	Tooth Powder, in 1-lb. Bottles	48 0	"
1 0	" " Metal Box	7 0	"
0 6	" " "	4 0	"
0 6	Tooth Soap	4 0	"
2 0	Dentifrice Water, in Bottles, with Sprinkler	15 0	"
1 0	" " " "	8 0	"
1 0	Lano-creolin, 5% Antiseptic, in Tubes	9 0	"
0 6	" " " " "	4 6	"
3 0	" " " " Large Tubes	24 0	"
6 0	" " " " 1-lb. Jars	48 0	"
1 6	Antiseptic Ointment, 10% Antiseptic, in China Pot	12 0	"
0 9	" " 20% Antiseptic, in Metal Box	8 0	"
3 6	Spray Diffuser, in Box complete	30 0	"

BRANALCANE.

FOR DIPHTHERIA AND DISEASES OF THE MUCOUS MEMBRANE AND SKIN.

In 1-oz. bottles at 9½d., 3-oz. bottles.

Sheep Dip, Wood Preserver, and other Agricultural Preparations.

TERMS, 2½ PER CENT. DISCOUNT AT ONE MONTH.

All Goods Delivered Free in London. For the Country, Free at any London Railway Station or Wharf.

FULL PRICE LIST ON APPLICATION.

"Indispensable" Automatic Toilet Boxes, filled with Toilet Paper Sanitised with Jeyes' Fluid.

	Trade.
Polished Walnut Wood Boxes	27/6 per doz.
Embossed Board Boxes	9/6 "

Retail.		Trade.
6d.	The Antiseptic Toilet Paper	4/6 per doz.

JEYES' SANITARY COMPOUNDS CO., LTD., 64 CANNON ST., LONDON, E.C.

Harvey's Horse Remedies

HARVEY'S ACONITE POWDERS,
For Chronic Cough, Broken Wind, Roaring, &c.

HARVEY'S WORM AND CONDITION POWDERS.

HARVEY'S WATTS' EMBROCATION,
or Curb Bottle.

HARVEY'S WATTS' RED LOTION,
For Wounds.

HARVEY'S HAIR RESTORING OINTMENT.

HARVEY'S EDOS, or Tasteless Purging Powder.

These Remedies are used in most of the Training Stables, Stables of Masters of Hounds, and by many thousands of Private Horse Owners in the United Kingdom and abroad.

FULLY DESCRIBED IN
"THE HORSE OWNER'S HANDY NOTE BOOK."
96 PAGES. *POSTED FREE.*

Illustrated Pamphlets, and also Neat Booklets with Chemist's name on, supplied on application.

For Trade Prices see the Lists of the Wholesale Houses, or write for Cash Price List to the Sole Proprietors,

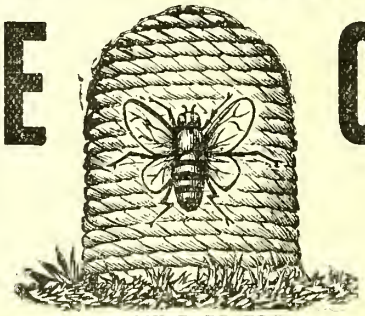
HARVEY & CO.
6 Bachelor's Walk,
DUBLIN.

Telegraphic Address—
REMEDIES, DUBLIN.

SARG'S ORIGINAL BEEHIVE BRAND

Sarg's GLYCERINE.

CERESINE WAX.



"NEVER DEFER."

CERESINE WAX.

Sarg's GLYCERINE.

WHITE, NATURAL, YELLOW, & ORANGE. STOCK KEPT IN LONDON OF 15 DIFFERENT KINDS.

Supplied in square blocks, each wrapped in paper and packed in cases of 1 cwt. each.

None Genuine unless Cases, Wrappers, and Blocks are branded both with Maker's Name, "SARG," and the "BEEHIVE" Trade Mark.

Sole Agent: FREDK. BOEHM, 16 Jewry St., LONDON, E.C.

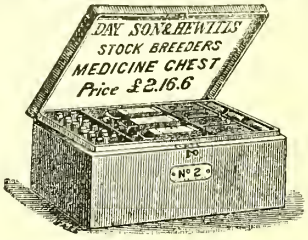
DAY. SON & HEWITT.

Largest Makers in the World of

HORSE AND CATTLE MEDICINES

For Kicks, Cuts, Bruises, Sore Withers, Swellings Strains of Ligaments and Tendons, Saddle Galls &c. It rapidly relieves Straining and Paining after Calving and Lambing, and is the remedy for Swollen Udders and Sore Teats.

Price 2/6, 3/6, and 7/- per Bottle.



Complete in 3 sizes. Sent Carriage Paid.
Prices—
£6 6s., £2 16s. 6d., and £1 8s. 9d.

A sure remedy for the Fret, Colic or Gripes, Influenza, Loss of Appetite in Horses. For Debility, Scour, or Diarrhœa in Horses, Cattle, and Sheep, Hoven or Blown Cattle and Sheep instantaneously relieved.

Price 1/9 per Bottle. 20/- per doz.

For all Feverish Disorders among Cattle, Sheep, and Pigs, and for Colds, Indigestion, Costiveness, Yellows, Surfeits, Loss of Cud, Hide-bound, Red Water, &c. Admirably adapted for Cleansing and checking Feverish symptoms in Cows and Ewes after Parturition, rendering the milk copious, pure, and wholesome. It acts as a safe preventive of milk Fever.

Price Cows), 13/- per doz. box; (Ewes), 3/6 per doz. 3-doz. box, 10/-

Liberal Discounts to Agents and Foreign Buyers.

Trade Terms and full particulars on application.

Attractive Showcards and Handbills sent with each order.

For Blood Disorders in Horses, Eczema, Surfeits, Nettle-rash, Ringworm, Itching, Ill-Condition, Off-Appetite, Staring Coat, and Sluggishness. Invaluable for Sterility or Barrenness in Horses and Mares, by virtue of its Phosphoric and other stimulating ingredients. Contains no injurious drug and can be given at all times to all breeds of horses without stopping their work.

Price 5/6 per doz. Packets; 3-doz. 15/-

Sold also at reduced rates in Tins 10/6 and £1 each.

Royal Animal Medicine Manufactory, 22 DORSET STREET, LONDON, W. [Established 1833.]

DUSSEK BROS. & CO.

MANUFACTURERS OF

SANITARY FLUID

Of all strengths, soluble in water to any extent, forming a milky solution.

CARBOLIC ACIDS

Crude and pale, of all strengths.

CARBOLIC POWDERS

All Colours, containing 5%, 10%, 15% genuine Carbolic Acid. Packed in Casks, Bags, and Tins of all sizes.

PATENT 'SANO' FLUID

A superior Disinfectant for Hospital and indoor use. Soluble in Water.

COAL TAR & ROSIN PRODUCTS, GREASES, OILS, VARNISHES, DUBBIN, AND PITCH of all kinds.

DUSSEKS WHARF, VERNEY ROAD, S.E.

Telegrams "DUSSEK LONDON." Telephone No. 8,239.

GERMOL

NEW AND POWERFUL DISINFECTING FLUID.

(NON-POISONOUS.)

More powerful than Carbolic Acid, and does not stain or burn in use.

"MICROBMORT" FOR SURGICAL USE.

GERMOL SANITARY POWDER.

GERMOL SHEEP DIP. GERMOL SOAPS.

Samples and Particulars on application to the Sole Manufacturers—

READ HOLLIDAY & SONS, LIMITED.

HUDDERSFIELD, ENGLAND, & NEW YORK, U.S.A.

DIAMOND EMERY CO.

(LIMITED).

DIAMOND BRAND.

MANUFACTURERS OF

EMERY STONE	GROUND GLASS
EMERY CORN (all sizes)	BLACKLEAD
EMERY RUBBERS	LUMP & GROUND PUMICE
EMERY FLOUR	SILVER SAND
EMERY PAPER	DIAMOND KNIFE POLISH and POLISHING PASTE
EMERY CLOTH	FRENCH CHALK (Superfine Angel White), specially for Druggists
GLASS PAPER	
GLASS CLOTH	

CONTRACTORS TO THE ADMIRALTY.

Works: Garston Docks.

Head Office—136 THE ALBANY, LIVERPOOL.

Airtight & Odourless **STEELE'S** Avoid Imitations.

SAMPLES & PRICES ON APPLICATION. In ¼, ½ and 1lb. PACKETS.

PATENT) CONTAINING (PACKETS

CHLORIDE OF LIME

J. C. STEELE & CO., Victoria Street, GLASGOW.

SPECIALLY SUITABLE FOR EXPORT. Will keep for years in any climate.

HAMPRO SPECKLED

TRADE MARK REGISTERED.

All orders by Post receive immediate attention.

LEECHES!

Warranted Healthy.

Wholesale and for Exportation. Direct from Marshes.

FITCH & NOTTINGHAM,

LEECH BREEDERS,

4 CANONBURY SQUARE, LONDON, N

For CLEANING PLATE.

BRADLEY & BOURDAS'S

ALBATUM or WHITE ROUGE

(REGISTERED AS A TRADE MARK)

For CLEANING GOLD, SILVER, and PLATED GOODS.

A trial is only needed to prove its superiority over other Plate Powders in use. Chemists will find it to their advantage to recommend this Powder, as when it is once tried it is always continued to be used.

Sold in Boxes at 1s. and 2s.; Tins, 6s.

6 PONT ST. BELGRAVE SQ., & 48 BELGRAVE RD., LONDON, S.W.

INSURANCE AGAINST THE RAVAGES OF MOTHS.

RUDKIN'S MOTH-BRICKS

(REGISTERED).

When USED ACCORDING TO DIRECTIONS, are thoroughly effective for 3 or 4 years. They have been perfected by many years of experience. They may be sold with confidence. They are attractively put up, and sell at sight if given the chance. They are really the cheapest thing of their kind in the market.

Price 6d. each, or 5/6 a dozen retail.

OF ALL THE LONDON WHOLESALE HOUSES, AND DRANE, CARDIFF.

In 1 and 2 gross boxes, or tin-lined cases for export of 50, 100, and 250 dozen.

YORK GLASS COMPANY, LD., YORK, ENGLAND.

PATENT

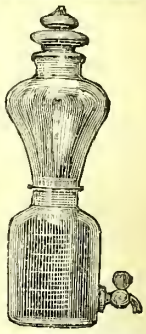
PHOTOTYPE RECESS LABELS

TO CHEMISTS, DRUGGISTS, AND OTHERS.

We beg to call your attention to our new and very complete series of Bottles, Earthenware Jars, &c., fitted with our **Patent "Phototype" Recess Labels.** A large number of the finest **London and Provincial Pharmacies** have been fitted up with these labels, and large buyers from all parts of the world have placed their orders with us, notably **East Indies, China, South Africa,** the **Australasian Colonies,** &c., &c., &c.

These Labels present many advantages over those written by hand, as the **Photographic Lettering** is much more PERFECT and REGULAR, and surpasses anything of the kind which has been yet produced.

London Address—YORK GLASS CO., LD., 76 FINSBURY PAVEMENT, E.C.



New Displacement Apparatus.

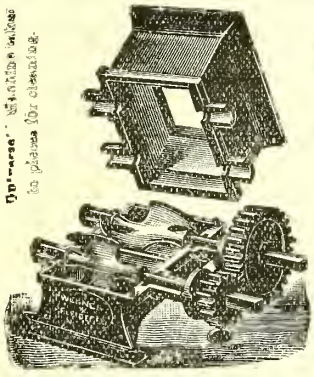
THE "UNIVERSAL"

Kneading & Mixing Machine,

Used by all the largest Pill Makers.

SUITABLE ALSO FOR

OINTMENTS, POWDERS, AND MASSES of any Consistency.



Size 3. Type I., for 1-lb. Mass.

PILL MASSING MACHINES.

PILL PIPERS, CUTTERS, ROUNDERS, COATERS, "SPIRAL BRUSH" POWDER-SIFTERS (WITH INTERCHANGEABLE SIEVES).

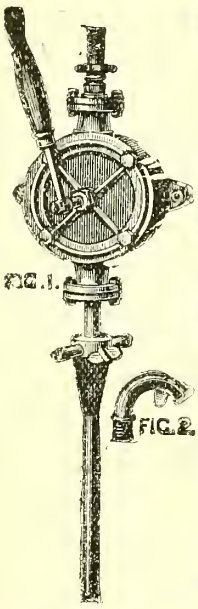
And every Accessory for the Pill Room.

WERNER, PFLEIDERER & PERKINS (LIMITED),

Head Offices & Showrooms—117 Queen Victoria St., E.C.

Works—43 Regent Square, Gray's Inn Road, W.C.

Contractors to the War Offices of all the Great Powers and other Governments.



BUY THE BEST OIL PUMP

AND SAVE

OIL, TIME, MONEY.

THOUSANDS IN USE.

This is a representation of our "WILLCOX" NEW SEMI-ROTARY PATENT PUMP, with Improved Taper Barrel Attachment. It is easy to work and simple in construction, and is admitted to be the best article in the market for Pumping Paraffin Oil and all kinds of Liquid from barrels or tanks into other receptacles.

We hold a Large Stock, and can give Prompt Delivery.

Write for full particulars and prices of The "Willcox New Semi-Rotary" Patent Oil Pumps to

W. H. WILLCOX & CO.,

34 & 36 Southwark Street,

LONDON, S.E.

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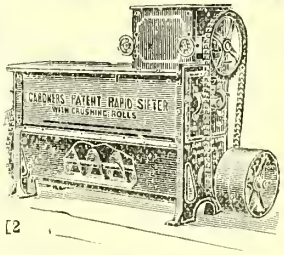
GARDNER'S PATENT

"RAPID" SIFTERS & MIXERS



Are now working in Almost Every Trade where DRY POWDERS are Sifted and Mixed and Lumps Reduced, all being done at one operation.

FOR HAND OR POWER.

PRICES from 48s. to £90.

CATALOGUES FREE.

WM. GARDNER, Engineering Works, GLOUCESTER.

WORKMEN'S HEALTH-PROTECTING AND SAFETY APPLIANCES (REGD.).

PREVENTING DISEASE & PROLONGING LIFE

Respirator or Lung Preserver

To Protect the LUNGS and THROAT from Dust, Poisonous Gases, and other Impurities.

Adapted for use in White-lead Works, Paint and Colour Works, Chemical and Pulverising Works, Tobacco and Snuff Factories, Iron Works, Smelting and Refining Works, Paper Mills, &c., &c.

PRICE, carriage paid, 6/- each net.

Improved Safety Spectacles.

The most complete invention of its kind. Does not hinder the sight. Price, per doz., carriage paid, from 24/- net. *Write for Prospectus.*

ZIMMER & CO.,

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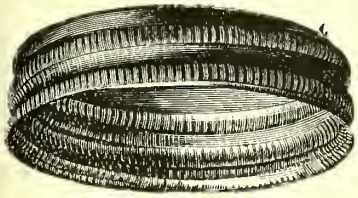
AGENTS WANTED.

THE PATENT STOPPER, BOX & STAMP CO., LIM.

13 VICTORIA STREET, LONDON, S.W.

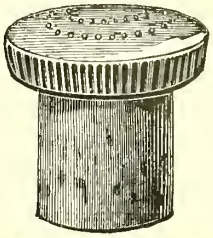
C. HOUGHTON BROWN,
Secretary.



SCREW CAPS OR CAPSULES.
Nickel, Zinc, Tin, or other Metal.

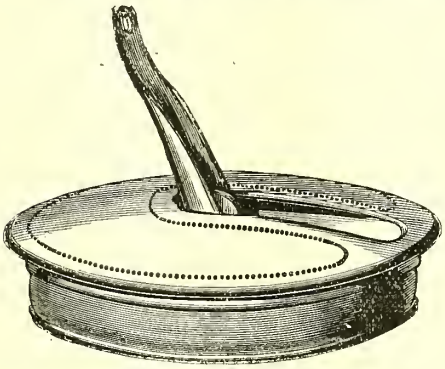
MANUFACTURERS of every description of

BOXES, STOPPERS,
POMADE & SCREW CAPS,
CAPSULES, &c., &c.



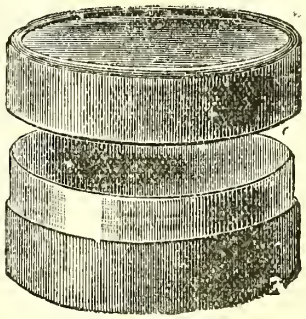
PATENT UNION STOPPER.

Patent No. 12711.
THE UNIQUE BOX.



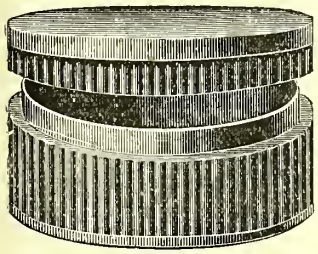
PATENT LEVER STOPPER.

Samples & Prices for Wholesale Buyers on application.



Patent No. 12711
THE UNIQUE BOX.

THE "STIPENDUM" STOPPER CO., LIM.



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MANUFACTURE THE FOLLOWING SPECIALITIES—

"STIPENDUM" CORK STOPPERS, in all sizes.
"STIPENDUM" CORK-LINED CAPS, for Pomade Bottles.
"STIPENDUM" OPENERS, for Stoppered Aerated-water Bottles

"STIPENDUM" GREASE-PROOF COVERED POTS,

IN TERRA COTTA, CHOCOLATE, AND BLACK.

The **Grease-Proof Covered Pots** have perfectly-fitting lids, are practically unbreakable, and the only articles really answering the purpose intended.

To be had of all Druggists' Sundriesmen. Wholesale only of the Company.

THE WANT OF THE DAY!

NO MORE SOFT LINEN WHEN STARCHED.

Used in the Royal Laundries.
Should be used in Every House.

The Greatest Boon ever offered to the Laundress for imparting an IVORY-FINISH to Starched Linen, Laces, &c. It does not stick to spider-web-like materials.

Registered No. 40376.

Once Tried, Always Wanted.
Makes Old Linen Like New.

From the Chief Laundress to H.R.H. the Prince of Wales:—West Newton, near Lynn, Norfolk, Aug. 29, 1879. SIR,—Having tried your "STARCH GLOSS," I certainly think it a great improvement—far superior to any I have tried. Yours truly,
To Mr. CRITCHLEY. E. ELDER.

Sold by Chemists and Druggists, Grocers, Oilmen, &c., in Packets at 1d., 3d., 6d., and 1s. each.

PREPARED ONLY BY

T. CRITCHLEY, CHEMIST AND WHOLESALE DRUGGIST, **BLACKBURN.**

LONDON DEPOT—107 WHITECROSS STREET, E.C.

CARDS.

FOR TERMS APPLY TO THE PUBLISHER

FREDK. FINK & CO.
10 & 11 MINCING LANE, LONDON, E.C.
SPECIALITIES: Glycerine — Gum Arabic — Gum Tragacanth—Pure Beeswax—Honey.

PRECIPITATED CHALK,
CRETA PRŒCIP.
Whitest & Purest Quality. Cheapest Sellers in the Market.
AUG. LEVERMORE & CO., 34 Lime St., **LONDON, E.C.**
Telegrams—"LEVERMORE LONDON." A B C Code used.

ALL KINDS OF
CRUDE DRUGS.
SPECIALITIES OF
FREDK. GRAF,
DRUG MERCHANT, 65 FENCHURCH ST., LONDON, E.C.
Prices and Samples on application.

PURE WHITE
PETROLEUM EMULSION
With 16 grains Hypophosphites of Lime and Soda in each ounce.
A Palatable and Efficacious Remedy in Inflammatory and Wasting Diseases
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High-Class Work, Quick Delivery, Low Price.
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The **THYMO-CRESOL FLUID** is a more powerful germicide than *pure Carbolic Acid* — non-poisonous, non-corrosive.
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Wholesale Druggists, Dealers in Chemicals for Analytical Work, and Methylated Spirit Makers,
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High-class Dental Mechanism in Gold, Dental Alloy, Tubes, Gum Sections, Vulcanite, Celluloid, or their Combinations, and Repairs, by
A. J. FENTIMAN & CO., 2 UPPER EAST SMITHFIELD. **LONDON, E.**
Mechanical Dentists to the Profession at most Moderate Charges.
ESTABLISHED 1835.
A staff of Skilled and Experienced Assistants under responsible Manager.
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FINEST SHEEP DIPS.
Fluid, Powder, and Paste.
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With or without Wheels.
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And as we have started to advertise this popular Remedy largely in England and Wales, we beg to inform the Trade that it is stocked by nearly every Wholesale House in the Kingdom.

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GROUND JAMAICA GINGER.

FINEST HITHERTO PRODUCED.

PURITY GUARANTEED. AROMA EXCEPTIONAL.

In 7, 14, and 28 lb. tins. Price 1/3 per lb., 120/- per cwt.

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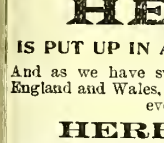

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A bright Fixing Liquid for the special training of the MOUSTACHE. Invaluable to Medical Men, repelling infectious miasma from the respiration. In Cases, with Brush, Pom.-Hongroise, &c., at 2/-, 3/6, 5/-, 7/6, &c.

Most successful Novelty, 2/- sample post free 15 stamps.

All Wholesale Houses, or direct from

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Parfumeur-Chimiste, Amersham Park, New Cross, LONDON.

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RICHARD BRÜCKNER, HAMBURG,

COMMISSION MERCHANT,

IMPORTER & EXPORTER of all kinds of CRUDE DRUGS.

SPECIALITIES.—Aniseeds, Herbs, Cod-liver Oil, Ergot of Rye, Isinglass, Lycopodium, Cummin Seed, Arsenic, Sugar of Milk.

CHEMICALS. SPICES.

Goods specially packed for Export to all parts.

TANNIC ACID

8D. per lb. 1 cwt. kegs.

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MORSIADI WHITE OR IN VARIOUS COLOURS.

3/- per 1,000. In Six Sizes.

CACHETS 25 Lime St., LONDON, E.C.

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A New form of Homœopathic Medicine.

WATSON & WATES'

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BEAR GOOD PROFITS.

Supplied on Anti-cutting terms.

The Cheapest and Best House for Homœopathic Medicines. Send for Illustrated Price List.

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THE NEW PERMANENT

ENGRAVED WINDOW TABLETS

PRIZE MEDAL, International Health Exhibition, 1884.

IN **RUBY, BLUE, AMBER, AND OPAL GLASS.**

AWARD OF MERIT, International Sanitary Exhibition, 1881.

Send particulars of size, subject matter, and colour, when price for one Tablet and upwards will be sent.

For Proprietary Articles, 100 8 × 6 Ruby Tablets, £3 15s. 0d.

J. R. CORSAN, THE LONDON SAND-BLAST WORKS, **58A GRAY'S INN ROAD, W.C.**

TO PREVENT FRAUD DEMAND BUSINESS CARD FROM TRAVELLERS.

CAPSULED "McK. & R." PILLS

McKesson & Robbins : Originated 1870 : New York.

WHY SHOULD THE "McK. & R." PILLS BE PRESCRIBED?

1. Because they are prepared from materials of the highest quality only.
2. Because they are made according to the B.P. or other Standard Authorities, and therefore al the combinations are well tried and of recognised value.
3. Because they are taken pleasantly—being tasteless—and readily, being ovoid in form.
4. Because they are not subjected at any stage of preparation to the injurious action of heat.
5. Because the coating of *pure transparent gelatine* preserves the contents from oxidation.
6. Because they are always soluble, and the contents soft and quickly disintegrated.

LIST OF PRINCIPAL CAPSULED PILLS.

Aloes, all the B.P. combinations..... 5 gr.
Aloes, Dilute (Dr. Hall Dinner Pill)..... 4 gr.
Aloes Barb.
Saponis Pulv.
Pulv. Ext. Glycyrrh.
Theriaca, āā..... 1 gr.
Aloes and Nux Vomica—
Aloes Soc. ..... 1½ gr.
Ext. Nucis Vom..... ½ gr.
Aloin ..... $\frac{1}{10}$, ¼, ½, 1 gr.
Aloin, various combinations.
Anti-Dyspepsia (Fothergill)—
Strychninæ ..... $\frac{1}{10}$ gr.
Pulv. Piper Nig. ..... 1½ gr.
Pulv. Ipecac..... 2-3 gr.
Ext. Gent..... 1 gr.
Arsenious Acid..... 1-20, 1-50 gr.
Asafœtida, U.S. and B.P. ..... 5 gr.
Atropine ..... 1-100, 1-300 gr.
Blue Pill, B.P. ..... 1, 2, 3, 5 gr.
Blue Pill, with Colocynth and Hyoscyam... 5 gr.
Calcium Sulphide ..... 1-10, 1-4, 1-2, 1 gr.
Calomel, Colocyn., and Hyosc..... 5 gr.
Calomel Co., B.P. ..... 5 gr.
Camphor and Hyoscyam..... 2 gr.
Camphoræ
Ext. Hyoscy., āā ..... 1 gr.
Cannabis Indica ..... 1-4, 1-2 gr.
Cascara Sagrada..... 3 gr.
Cathartic Comp., U.S.P.
Ext. Jalap ..... 1 gr.
Ext. Coloc. Co. ..... 1 1-3 gr.
Hyd. Subchlor. ..... 1 gr.
Gambog. ..... 1-4 gr.
N.B.—The ready solubility of the "McK. & R." Pills is readily proved by taking a dose of these.
Colocynth Comp., B.P..... 4, 5 gr.
Colocynth, other combinations.
Copaiba Compound—
Cubebæ Pulv. ..... 2 gr.
Ferri Sulph. Exsic. ..... 1-2 gr.
Mass. Copaib. ..... 1 gr.
Tereb. Venet..... 1 1-2 gr.
Corrosive Sublimate..... 1-30, 1-20, 1-10 gr.
Croton Oil..... 1-2 gr.
Diuretic—
Ext. Buchu, Potass. Nitrat..... 1 gr.
Scillæ Pulv. ..... 1-2 gr.
Emmenagogue—
Ferr. Sulph. Exsic. ..... 1 1-2 gr.
Thus, American ..... 1 1-2 gr.
Aloes Socot. ..... 1-2 gr.
Ergotin ..... 3 gr.
N.B.—Each Pill = 30 gr. ergot or 30 ms. fl. extract. This form is more reliable and uniform in effect and more agreeable than the liquid preparations.
Euonymin ..... 2, 3 gr.
Iodoform and Iodoform with Iron..... 1 gr.
Ipecac. ..... 1-4, 5 gr.
Ipecac. Co. ..... 5 gr.
Ipecac. and Squill, B.P. ..... 5 gr.
Iron Pill, B.P. Add. ..... 3, 5 gr.
Iron Arseniate..... 1-8 gr.
Iron reduced by Hydrogen (Quevenne).. 1, 4 gr.
Iron and Quinine Citrate..... 2 gr.
Laxative, Vegetable—
Res. Podoph.
Ext. Hyoscy.
Ext. Tarax., āā..... 1-4 gr.
Ext. Coloc. Co. ..... 1 gr.
Jalapæ
Res. Leptand. āā..... 1-2 gr.
Ol. Menth. Pip.
Mercury, Biniodide ..... 1-16 gr.
Mercury, Proto-iodide.... 1-20, 1-16, 1-8, 1-4 gr.
N.B.—Made from the absolutely pure *yellow* impalpable powder, free from mercury and from biniodide.
So-called "green" proto-iodide contains uncombined mercury.
Mercury with Chalk ..... 1 gr.
Morphine Muriate ..... 1-8, 1-4 gr.
Nitro-Glycerine ..... 1-200, 1-100, 1-50 gr.
Opium ..... 1 gr.
Opium and Camphor..... 1 gr.
Opii Pulv..... 1 gr.
Camphoræ ..... 2 gr.
Pepsin, Pure ..... 1 gr.
Phosphorus ..... 1-100, 1-50, 1-30 gr.
N.B.—In no kind of Pill are the advantages of the "McK. & R." method better exemplified or more in request. No other brand of Phosphorus Pills is equally reliable for the administration of the unoxidised medicament.
Phosphorus and Iron—
Phosphor. Pur. ..... 1-50 gr.
Ferr. Redact. ..... 2 gr.
Phosphorus, Iron, and Quinine—
Phosphor. Pur. ..... 1-100 gr.
Ferri Carb. ..... 1 gr.
Quininæ Sulph. ..... 1 gr.
Phosphorus and Nux Vomica—
Phosphor. Pur. ..... 1-50 gr.
Ext. Nucis Vom..... 1-4 gr.
Phosphorus and Quinine—
Phosphor. Pur. ..... 1-50 gr.
Quininæ Sulph. ..... 1 gr.
Phosphorus and Valerianate of Zinc—
Phosphor. Pur. ..... 1-50 gr.
Zinci Valer. ..... 1 gr.
Picrotoxin ..... 1-80 gr.
Podophyllin ..... 1-8, 1-4, 1-2 gr.
Quinine, Bisulphate .... 1-4, 1-2, 1, 2, 3, 4, 5 gr.
Quinine, Sulphate ..... 1-4, 1-2, 1, 2, 3, 4, 5 gr.
Quinine Co. (Anti-Malarial).
Largely prescribed in America with excellent results.
Rhubarb Comp., B.P. ..... 5 gr.
Rhubarb with Blue Pill ..... 5 gr.
Salicylic Acid ..... 2, 5 gr.
Soap Comp., B.P. ..... 5 gr.
Squill Comp., B.P. ..... 5 gr.
Strophanthus ..... 1-20, 1-4 gr.
Strychnine ..... 1-50 gr.
Tonic Laxative (Fothergill)—
Quininæ Sulph. ..... 2-3 gr.
Strychn. ..... 1-30 gr.
Ferri Redact.
Ext. Bellad., āā ..... 1-4 gr.
Valerianates, Iron, Quinine, and Zinc.
Warburg's Tincture and the same without Aloes.
Each Pill = 1 fl. drm. of the Tincture.
Zinc Phosphide ..... 1-4, 1-2 gr.
Zinc Valerianate ..... 1 gr.

Special Combinations of 3,000 or more Pills made and Capsuled to order for Hospitals, &c., at Special Quotations.

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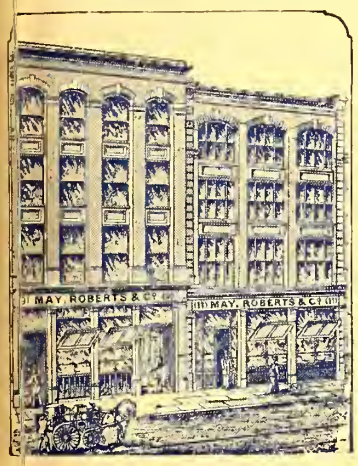

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Patent Medicines.

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Their Expenses given to Buyers
CARRIAGE PAID!
See Terms.

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Howards' Salt, Hand-weighed.

Boxes of 12 Powders	per dozen	5/6
Banded Powders in ½-gross outers	per gross	5/3

SEIDLITZ POWDERS.

(Measured.)

Boxes of 12 Powders	per dozen	5/–
Banded Powders in ½-gross outers	per gross	4/9

SELTZOGENE AND GAZOGENE CHARGES.

2	3	5	8 pint.	
11/–	13/–	19/6	27/–	per doz. boxes of 10
11/8	14/6	22/–	30/–	„ „ 12

CHERRY TOOTH PASTE
AND
ARECA NUT TOOTH PASTE.

6*d.* size	per dozen	3/4
1/– „	„	6/–

Pots with Burnt-in Labels.

ALMOND SHAVING CREAM.

Pots with Burnt-in Labels.

6*d.* size	per dozen	3/4
1/– „	„	6/–

GLYCERINE AND CUCUMBER.

2 oz.	3 oz.	4 oz.	8 oz.
2/10	3/6	4/–	7/–

(In cartons at 6*d.* per dozen extra.)

VIOLET POWDER.

1*d.* boxes (in ¼-gross outers)	per gross	4/6
2*d.* „ „ „	„	7/6
6*d.* „ (in 1-dozen outers)	per dozen	3/6
1/– „ „ „	„	6/–

FULLERS' EARTH.

1*d.* boxes (in ¼-gross outers)	per gross	4/
2*d.* „ „ „	„	7/
6*d.* „ (in 1-dozen outers)...	per dozen	3/–

GLYCERINE AND LIME CREAM,

For the Hair.

3	4	6	8 oz. bottles.
2/2	2/6	3/6	4/3 per dozen.

Wood-top Corks. In outers of 1 dozen.

CULINARY ESSENCES.

Almond, Vanilla, Lemon, Ratafia, Cochineal, Ginger, Peppermint.

½-oz. bottles	per dozen	2/6
1-oz. „	„	4/4

ROSEMARY AND CANTHARIDINE HAIR WASH.

In showy ½-pint bottles with Sprinklers.

Per dozen, 6/6.

TOOTH POWDERS.

Carbolic, Rose, Quinine, etc.

12 kinds assorted, in glass-top showcase.

Per dozen, 3/6.

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Cadbury's Cocoa

ABSOLUTELY PURE therefore BEST.

Cadbury's is "The Typical Cocoa of English Manufacture, Absolutely Pure." *The Analyst.*

NO CHEMICALS USED IN CADBURY'S AS IN THE SO-CALLED PURE FOREIGN COCOAS.

UNDER EMINENT SCIENTIFIC CONTROL

"APENTA"

THE BEST NATURAL APERIENT WATER.

Trade Prices:

Per Case.

25 Large Bottles	-	20/-
50 Small ,,	-	32/6
100 Quarter ,,	-	32/6

Carriage Paid to any Railway Station in the United Kingdom.

5 per cent. Discount upon orders for 10 Cases.

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